

SEQUENCE LISTING

<110> Braun et al.

<120> METHODS FOR GENERATING DATABASES AND DATABASES FOR IDENTIFYING
POLYMORPHIC GENETIC MARKERS

<130> 24736-2033

<140> Not Yet Assigned

<141> 2000-10-13

<150> 60/217,658

<151> 2000-07-10

<150> 60/159,176

<151> 1999-10-13

<150> 60/217,251

<151> 2000-07-10

<150> 09/663,968

<151> 2000-09-19

<160> 118

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 361

<212> DNA

<213> Homo Sapien

<400> 1

ctgaggacct	ggctcctctga	ctgctctttt	cacccatcta	cagtcctccct	tgccgtccca	60
agcaatggat	gatttgatgc	tgtccccgga	cgatattgaa	caatgggttca	ctgaagaccc	120
aggtccagat	gaagctccca	gaatgccaga	ggctgctccc	cgcggtggccc	ctgcaccagc	180
agctcctaca	ccggcggccc	ctgcaccagc	cccctcctgg	cccctgtcat	cttctgtccc	240
ttcccagaaa	acctaccagg	gcagctacgg	tttccgtctg	ggcttcttgc	attctgggac	300
agccaagtct	gtgacttgca	cggtcagttg	ccctgagggg	ctggcttcca	tgagacttca	360
a						361

<210> 2

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide Primer

<400> 2

cccagtcacg	acgttgtaaa	acgctgagga	cctggctctc	tgac	44
------------	------------	------------	------------	------	----

<210> 3

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide Primer

<400> 3

agcggataac	aatttcacac	aggttgaagt	ctcatggaag	cc	42
------------	------------	------------	------------	----	----

<210> 4

<211> 17



<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 4
 gccagaggct gctcccc 17

 <210> 5
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 5
 gccagaggct gctcccc 17

 <210> 6
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 6
 gccagaggct gctccccgc 19

 <210> 7
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 7
 gccagaggct gctcccc 18

 <210> 8
 <211> 161
 <212> DNA
 <213> Homo Sapien

 <400> 8
 gtccgtcaga acccatgcgg cagcaaggcc tgccgcgcgc tcttcggccc agtggacagc 60
 gagcagctga gccgcgactg tgatgcgcta atggcgggct gcatccagga ggcccgtgag 120
 cgatggaact tcgactttgt caccgagaca cactggagg g 161

 <210> 9
 <211> 43
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 9
 cccagtcacg acgttgtaaa acggtccgtc agaacccatg cgg 43

 <210> 10
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

 <400> 10
 agcggataac aatttcacac aggtccagt ggtgtctcgg tgac 44

 <210> 11
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 11
 cagcgagcag ctgag 15

 <210> 12
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 12
 cagcgagcag ctgag 15

 <210> 13
 <211> 16
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 13
 cagcgagcag ctgagc 16

 <210> 14
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 14
 cagcgagcag ctgagac 17

 <210> 15
 <211> 205
 <212> DNA
 <213> Homo Sapien

 <400> 15
 gcgctccatt catctcttca tgcactctct gttgaatgaa gaaaatccaa gtaaggccta 60
 caggtgcagt tccaaggaag cctttgagaa agggctctgc ttgagttgta gaaagaaccg 120
 ctgcaacaat ctgggctatg agatcaataa agtcagagcc aaaagaagca gcaaaatgta 180
 cctgaagact cgttctcaga tgccc 205

 <210> 16
 <211> 42
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Oligonucleotide Primers

<400> 16
cccagtcacg acgttgtaaa acggcgctcc attcatctct tc 42

<210> 17
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 17
agcggataac aatttcacac agggggcatc tgagaacgag tc 42

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 18
caatctgggc tatgagatca 20

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 19
caatctgggc tatgagatca 20

<210> 20
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 20
caatctgggc tatgagatca a 21

<210> 21
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Probe

<400> 21
caatctgggc tatgagatca gt 20

<210> 22
<211> 60
<212> DNA
<213> Homo Sapien

<220>
<223> Probe

<400> 22
 gtgccggcta ctccgatggc agcaaggact cctgcaaggg ggacagtgga ggcccacatg 60
 <210> 23
 <211> 60
 <212> DNA
 <213> Homo sapien
 <400> 23
 ccaccacta ccggggcacg tggtacctga cgggcatcgt cagctggggc cagggtgcg 60
 <210> 24
 <211> 42
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 24
 cccagtcacg acgttgtaaa acgatggcag caaggactcc tg 42
 <210> 25
 <211> 18
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 25
 cacatgccac ccactacc 18
 <210> 26
 <211> 43
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 26
 agcggataac aatttcacac aggtgacgat gcccgtcagg tac 43
 <210> 27
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Probe
 <400> 27
 atgccacca ctacc 15
 <210> 28
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Probe
 <400> 28
 cacatgccac ccactaccg 19
 <210> 29

<211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 29
 cacatgccac ccactaccag 20

 <210> 30
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Probe

 <400> 30
 agcggataac aatttcacac agg 23

 <210> 31
 <211> 2363
 <212> DNA
 <213> Homo Sapien

 <220>
 <221> CDS
 <222> (138)...(2126)
 <223> AKAP-10

 <300>
 <308> GenBank AF037439
 <309> 1997-12-21

 <400> 31
 gcggttggtt gataatatgg cggctggagc tgccctgggca tcccaggagg gcggtggggc 60
 ccactcccg aagaagggtc ccttttcgcg ctagtgcagc ggcccctctg gacccggaag 120
 tccgggcccgttgtgta atg agg gga gcc ggg ccc tcc ccg cgc cag tcc 170
 Met Arg Gly Ala Gly Pro Ser Pro Arg Gln Ser
 1 5 10

 ccc cgc acc ctc cgt ccc gac ccg ggc ccc gcc atg tcc ttc ttc cgg 218
 Pro Arg Thr Leu Arg Pro Asp Pro Gly Pro Ala Met Ser Phe Phe Arg
 15 20 25

 cgg aaa gtg aaa ggc aaa gaa caa gag aag acc tca gat gtg aag tcc 266
 Arg Lys Val Lys Gly Lys Glu Lys Glu Lys Thr Ser Asp Val Lys Ser
 30 35 40

 att aaa gct tca ata tcc gta cat tcc cca caa aaa agc act aaa aat 314
 Ile Lys Ala Ser Ile Ser Val His Ser Pro Gln Lys Ser Thr Lys Asn
 45 50 55

 cat gcc ttg ctg gag gct gca gga cca agt cat gtt gca atc aat gcc 362
 His Ala Leu Leu Glu Ala Ala Gly Pro Ser His Val Ala Ile Asn Ala
 60 65 70 75

 att tct gcc aac atg gac tcc ttt tca agt agc agg aca gcc aca ctt 410
 Ile Ser Ala Asn Met Asp Ser Phe Ser Ser Ser Arg Thr Ala Thr Leu
 80 85 90

 aag aag cag cca agc cac atg gag gct gct cat ttt ggt gac ctg ggc 458
 Lys Lys Gln Pro Ser His Met Glu Ala Ala His Phe Gly Asp Leu Gly
 95 100 105

 aga tct tgt ctg gac tac cag act caa gag acc aaa tca agc ctt tct 506

Arg	Ser	Cys	Leu	Asp	Tyr	Gln	Thr	Gln	Glu	Thr	Lys	Ser	Ser	Leu	Ser		
		110					115					120					
aag	acc	ctt	gaa	caa	gtc	ttg	cac	gac	act	att	gtc	ctc	cct	tac	ttc	554	
Lys	Thr	Leu	Glu	Gln	Val	Leu	His	Asp	Thr	Ile	Val	Leu	Pro	Tyr	Phe		
		125				130					135						
att	caa	ttc	atg	gaa	ctt	cgg	cga	atg	gag	cat	ttg	gtg	aaa	ttt	tgg	602	
Ile	Gln	Phe	Met	Glu	Leu	Arg	Arg	Met	Glu	His	Leu	Val	Lys	Phe	Trp		
					145					150					155		
tta	gag	gct	gaa	agt	ttt	cat	tca	aca	act	tgg	tcg	cga	ata	aga	gca	650	
Leu	Glu	Ala	Glu	Ser	Phe	His	Ser	Thr	Thr	Trp	Ser	Arg	Ile	Arg	Ala		
				160					165					170			
cac	agt	cta	aac	aca	atg	aag	cag	agc	tca	ctg	gct	gag	cct	gtc	tct	698	
His	Ser	Leu	Asn	Thr	Met	Lys	Gln	Ser	Ser	Leu	Ala	Glu	Pro	Val	Ser		
			175					180					185				
cca	tct	aaa	aag	cat	gaa	act	aca	gcg	tct	ttt	tta	act	gat	tct	ctt	746	
Pro	Ser	Lys	Lys	His	Glu	Thr	Thr	Ala	Ser	Phe	Leu	Thr	Asp	Ser	Leu		
		190					195					200					
gat	aag	aga	ttg	gag	gat	tct	ggc	tca	gca	cag	ttg	ttt	atg	act	cat	794	
Asp	Lys	Arg	Leu	Glu	Asp		Gly	Ser	Ala	Gln	Leu	Phe	Met	Thr	His		
	205					210					215						
tca	gaa	gga	att	gac	ctg	aat	aat	aga	act	aac	agc	act	cag	aat	cac	842	
Ser	Glu	Gly	Ile	Asp	Leu	Asn	Asn	Arg	Thr	Asn	Ser	Thr	Gln	Asn	His		
	220				225					230					235		
ttg	ctg	ctt	tcc	cag	gaa	tgt	gac	agt	gcc	cat	tct	ctc	cgt	ctt	gaa	890	
Leu	Leu	Leu	Ser	Gln	Glu	Cys	Asp	Ser	Ala	His	Ser	Leu	Arg	Leu	Glu		
				240					245					250			
atg	gcc	aga	gca	gga	act	cac	caa	gtt	tcc	atg	gaa	acc	caa	gaa	tct	938	
Met	Ala	Arg	Ala	Gly	Thr	His	Gln	Val	Ser	Met	Glu	Thr	Gln	Glu	Ser		
			255					260					265				
tcc	tct	aca	ctt	aca	gta	gcc	agt	aga	aat	agt	ccc	gct	tct	cca	cta	986	
Ser	Ser	Thr	Leu	Thr	Val	Ala	Ser	Arg	Asn	Ser	Pro	Ala	Ser	Pro	Leu		
		270					275					280					
aaa	gaa	ttg	tca	gga	aaa	cta	atg	aaa	agt	ata	gaa	caa	gat	gca	gtg	1034	
Lys	Glu	Leu	Ser	Gly	Lys	Leu	Met	Lys	Ser	Ile	Glu	Gln	Asp	Ala	Val		
	285					290					295						
aat	act	ttt	acc	aaa	tat	ata	tct	cca	gat	gct	gct	aaa	cca	ata	cca	1082	
Asn	Thr	Phe	Thr	Lys	Tyr	Ile	Ser	Pro	Asp	Ala	Ala	Lys	Pro	Ile	Pro		
					305					310					315		
att	aca	gaa	gca	atg	aga	aat	gac	atc	ata	gca	agg	att	tgt	gga	gaa	1130	
Ile	Thr	Glu	Ala	Met	Arg	Asn	Asp	Ile	Ile	Ala	Arg	Ile	Cys	Gly	Glu		
				320					325					330			
gat	gga	cag	gtg	gat	ccc	aac	tgt	ttc	gtt	ttg	gca	cag	tcc	ata	gtc	1178	
Asp	Gly	Gln	Val	Asp	Pro	Asn	Cys	Phe	Val	Leu	Ala	Gln	Ser	Ile	Val		
			335					340					345				
ttt	agt	gca	atg	gag	caa	gag	cac	ttt	agt	gag	ttt	ctg	cga	agt	cac	1226	
Phe	Ser	Ala	Met	Glu	Gln	Glu	His	Phe	Ser	Glu	Phe	Leu	Arg	Ser	His		
		350					355					360					
cat	ttc	tgt	aaa	tac	cag	att	gaa	gtg	ctg	acc	agt	gga	act	gtt	tac	1274	
His	Phe	Cys	Lys	Tyr	Gln	Ile	Glu	Val	Leu	Thr	Ser	Gly	Thr	Val	Tyr		
	365					370					375						

ctg gct gac att ctc ttc tgt gag tca gcc ctc ttt tat ttc tct gag Leu Ala Asp Ile Leu Phe Cys Glu Ser Ala Leu Phe Tyr Phe Ser Glu 380 385 390 395	1322
tac atg gaa aaa gag gat gca gtg aat atc tta caa ttc tgg ttg gca Tyr Met Glu Lys Glu Asp Ala Val Asn Ile Leu Gln Phe Trp Leu Ala 400 405 410	1370
gca gat aac ttc cag tct cag ctt gct gcc aaa aag ggg caa tat gat Ala Asp Asn Phe Gln Ser Gln Leu Ala Ala Lys Lys Gly Gln Tyr Asp 415 420 425	1418
gga cag gag gca cag aat gat gcc atg att tta tat gac aag tac ttc Gly Gln Glu Ala Gln Asn Asp Ala Met Ile Leu Tyr Asp Lys Tyr Phe 430 435 440	1466
tcc ctc caa gcc aca cat cct ctt gga ttt gat gat gtt gta cga tta Ser Leu Gln Ala Thr His Pro Leu Gly Phe Asp Asp Val Val Arg Leu 445 450 455	1514
gaa att gaa tcc aat atc tgc agg gaa ggt ggg cca ctc ccc aac tgt Glu Ile Glu Ser Asn Ile Cys Arg Glu Gly Gly Pro Leu Pro Asn Cys 460 465 470 475	1562
ttc aca act cca tta cgt cag gcc tgg aca acc atg gag aag gtc ttt Phe Thr Thr Pro Leu Arg Gln Ala Trp Thr Thr Met Glu Lys Val Phe 480 485 490	1610
ttg cct ggc ttt ctg tcc agc aat ctt tat tat aaa tat ttg aat gat Leu Pro Gly Phe Leu Ser Ser Asn Leu Tyr Tyr Lys Tyr Leu Asn Asp 495 500 505	1658
ctc atc cat tcg gtt cga gga gat gaa ttt ctg ggc ggg aac gtg tcg Leu Ile His Ser Val Arg Gly Asp Glu Phe Leu Gly Gly Asn Val Ser 510 515 520	1706
ccg act gct cct ggc tct gtt ggc cct cct gat gag tct cac cca ggg Pro Thr Ala Pro Gly Ser Val Gly Pro Pro Asp Glu Ser His Pro Gly 525 530 535	1754
agt tct gac agc tct gcg tct cag tcc agt gtg aaa aaa gcc agt att Ser Ser Asp Ser Ser Ala Ser Gln Ser Ser Val Lys Lys Ala Ser Ile 540 545 550 555	1802
aaa ata ctg aaa aat ttt gat gaa gcg ata att gtg gat gcg gca agt Lys Ile Leu Lys Asn Phe Asp Glu Ala Ile Ile Val Asp Ala Ala Ser 560 565 570	1850
ctg gat cca gaa tct tta tat caa cgg aca tat gcc ggg aag atg aca Leu Asp Pro Glu Ser Leu Tyr Gln Arg Thr Tyr Ala Gly Lys Met Thr 575 580 585	1898
ttt gga aga gtg agt gac ttg ggg caa ttc atc cgg gaa tct gag cct Phe Gly Arg Val Ser Asp Leu Gly Gln Phe Ile Arg Glu Ser Glu Pro 590 595 600	1946
gaa cct gat gta agg aaa tca aaa gga tcc atg ttc tca caa gct atg Glu Pro Asp Val Arg Lys Ser Lys Gly Ser Met Phe Ser Gln Ala Met 605 610 615	1994
aag aaa tgg gtg caa gga aat act gat gag gcc cag gaa gag cta gct Lys Lys Trp Val Gln Gly Asn Thr Asp Glu Ala Gln Glu Glu Leu Ala 620 625 630 635	2042
tgg aag att gct aaa atg ata gtc agt gac att atg cag cag gct cag Trp Lys Ile Ala Lys Met Ile Val Ser Asp Ile Met Gln Gln Ala Gln 640 645 650	2090

tat gat caa ccg tta gag aaa tct aca aag tta tga ctcaaaaactt	2136
Tyr Asp Gln Pro Leu Glu Lys Ser Thr Lys Leu *	
655 660	

gagataaagg aaatctgctt gtgaaaaata agagaacttt tttcccttgg ttggattcctt	2196
caacacagcc aatgaaaaca gcactatatt tctgatctgt cactgttggt tccagggaga	2256
gaatggggag acaatcctag gacttccacc ctaatgcagt tacctgtagg gcataattgg	2316
atggcacatg atgtttcaca cagtgaggag tctttaaagg ttaccaa	2363

<210> 32
 <211> 662
 <212> PRT
 <213> Homo Sapien

<400> 32

Met Arg Gly Ala Gly Pro Ser Pro Arg Gln Ser Pro Arg Thr Leu Arg	
1 5 10 15	
Pro Asp Pro Gly Pro Ala Met Ser Phe Arg Arg Lys Val Lys Gly	
20 25 30	
Lys Glu Gln Glu Lys Thr Ser Asp Val Lys Ser Ile Lys Ala Ser Ile	
35 40 45	
Ser Val His Ser Pro Gln Lys Ser Thr Lys Asn His Ala Leu Leu Glu	
50 55 60	
Ala Ala Gly Pro Ser His Val Ala Ile Asn Ala Ile Ser Ala Asn Met	
65 70 75 80	
Asp Ser Phe Ser Ser Ser Arg Thr Ala Thr Leu Lys Lys Gln Pro Ser	
85 90 95	
His Met Glu Ala Ala His Phe Gly Asp Leu Gly Arg Ser Cys Leu Asp	
100 105 110	
Tyr Gln Thr Gln Glu Thr Lys Ser Ser Leu Ser Lys Thr Leu Glu Gln	
115 120 125	
Val Leu His Asp Thr Ile Val Leu Pro Tyr Phe Ile Gln Phe Met Glu	
130 135 140	
Leu Arg Arg Met Glu His Leu Val Lys Phe Trp Leu Glu Ala Glu Ser	
145 150 155 160	
Phe His Ser Thr Thr Trp Ser Arg Ile Arg Ala His Ser Leu Asn Thr	
165 170 175	
Met Lys Gln Ser Ser Leu Ala Glu Pro Val Ser Pro Ser Lys Lys His	
180 185 190	
Glu Thr Thr Ala Ser Phe Leu Thr Asp Ser Leu Asp Lys Arg Leu Glu	
195 200 205	
Asp Ser Gly Ser Ala Gln Leu Phe Met Thr His Ser Glu Gly Ile Asp	
210 215 220	
Leu Asn Asn Arg Thr Asn Ser Thr Gln Asn His Leu Leu Leu Ser Gln	
225 230 235 240	
Glu Cys Asp Ser Ala His Ser Leu Arg Leu Glu Met Ala Arg Ala Gly	
245 250 255	
Thr His Gln Val Ser Met Glu Thr Gln Glu Ser Ser Ser Thr Leu Thr	
260 265 270	
Val Ala Ser Arg Asn Ser Pro Ala Ser Pro Leu Lys Glu Leu Ser Gly	
275 280 285	
Lys Leu Met Lys Ser Ile Glu Gln Asp Ala Val Asn Thr Phe Thr Lys	
290 295 300	
Tyr Ile Ser Pro Asp Ala Ala Lys Pro Ile Pro Ile Thr Glu Ala Met	
305 310 315 320	
Arg Asn Asp Ile Ile Ala Arg Ile Cys Gly Glu Asp Gly Gln Val Asp	
325 330 335	
Pro Asn Cys Phe Val Leu Ala Gln Ser Ile Val Phe Ser Ala Met Glu	
340 345 350	
Gln Glu His Phe Ser Glu Phe Leu Arg Ser His His Phe Cys Lys Tyr	
355 360 365	
Gln Ile Glu Val Leu Thr Ser Gly Thr Val Tyr Leu Ala Asp Ile Leu	
370 375 380	
Phe Cys Glu Ser Ala Leu Phe Tyr Phe Ser Glu Tyr Met Glu Lys Glu	
385 390 395 400	
Asp Ala Val Asn Ile Leu Gln Phe Trp Leu Ala Ala Asp Asn Phe Gln	

Ser	Gln	Leu	Ala	405	Ala	Lys	Lys	Gly	Gln	410	Tyr	Asp	Gly	Gln	415	Glu	Ala	Gln
			420		Ile	Leu	Tyr	Asp	425	Lys	Tyr	Phe	Ser	Leu	430	Gln	Ala	Thr
Asn	Asp	Ala	Met	435					440						445			
His	Pro	Leu	Gly	450	Phe	Asp	Asp	Val	Val	Arg	Leu	Glu	Ile	Glu	460	Ser	Asn	
Ile	Cys	Arg	Glu	465	Gly	Gly	Pro	Leu	Pro	Asn	Cys	Phe	Thr	Thr	475	Pro	Leu	
Arg	Gln	Ala	Trp	485	Thr	Thr	Met	Glu	Lys	Val	Phe	Leu	Pro	Gly	490	Phe	Leu	
Ser	Ser	Asn	Leu	500	Tyr	Tyr	Lys	Tyr	Leu	505	Asn	Asp	Leu	Ile	510	His	Ser	Val
Arg	Gly	Asp	Glu	515	Phe	Leu	Gly	Gly	Asn	520	Val	Ser	Pro	Thr	525	Ala	Pro	Gly
Ser	Val	Gly	Pro	530	Pro	Asp	Glu	Ser	His	535	Pro	Gly	Ser	Ser	540	Asp	Ser	Ser
Ala	Ser	Gln	Ser	545	Ser	Val	Lys	Lys	Ala	550	Ser	Ile	Lys	Ile	555	Leu	Lys	Asn
Phe	Asp	Glu	Ala	565	Ile	Val	Asp	Ala	Ala	570	Ser	Leu	Asp	Pro	575	Glu	Ser	
Leu	Tyr	Gln	Arg	580	Thr	Tyr	Ala	Gly	Lys	585	Met	Thr	Phe	Gly	590	Arg	Val	Ser
Asp	Leu	Gly	Gln	595	Phe	Ile	Arg	Glu	Ser	600	Glu	Pro	Glu	Pro	605	Asp	Val	Arg
Lys	Ser	Lys	Gly	610	Ser	Met	Phe	Ser	Gln	615	Ala	Met	Lys	Lys	620	Trp	Val	Gln
Gly	Asn	Thr	Asp	625	Glu	Ala	Gln	Glu	Glu	630	Leu	Ala	Trp	Lys	635	Ile	Ala	Lys
Met	Ile	Val	Ser	645	Asp	Ile	Met	Gln	Gln	650	Ala	Gln	Tyr	Asp	655	Gln	Pro	Leu
Glu	Lys	Ser	Thr	660	Lys	Leu												

<210> 33
 <211> 2363
 <212> DNA
 <213> Homo Sapien

<220>
 <221> CDS
 <222> (138)...(2126)
 <223> AKAP-10-5

<221> allele
 <222> 2073
 <223> Single Nucleotide Polymorphism: A to G

<400> 33																		
gctgcttggg gataatatgg cggctggagc tgcctgggca tcccgaggag gcggtggggc																		60
ccactcccgg aagaagggtc ccttttcgcg ctagtgcagc ggcccctctg gaccggaag																		120
tccgggcccgg ttgctga atg agg gga gcc ggg ccc tcc ccg cgc cag tcc																		170
Met Arg Gly Ala Gly Pro Ser Pro Arg Gln Ser																		
1 5 10																		
ccc cgc acc ctc cgt ccc gac ccg ggc ccc gcc atg tcc ttc ttc cgg																		218
Pro Arg Thr Leu Arg Pro Asp Pro Gly Pro Ala Met Ser Phe Phe Arg																		
15 20 25																		
cgg aaa gtg aaa ggc aaa gaa caa gag aag acc tca gat gtg aag tcc																		266
Arg Lys Val Lys Gly Lys Glu Gln Glu Lys Thr Ser Asp Val Lys Ser																		
30 35 40																		
att aaa gct tca ata tcc gta cat tcc cca caa aaa agc act aaa aat																		314
Ile Lys Ala Ser Ile Ser Val His Ser Pro Gln Lys Ser Thr Lys Asn																		
45 50 55																		

cat gcc ttg ctg gag gct gca gga cca agt cat gtt gca atc aat gcc His Ala Leu Leu Glu Ala Ala Gly Pro Ser His Val Ala Ile Asn Ala 60 65 70 75	362
att tct gcc aac atg gac tcc ttt tca agt agc agg aca gcc aca ctt Ile Ser Ala Asn Met Asp Ser Phe Ser Ser Arg Thr Ala Thr Leu 80 85 90	410
aag aag cag cca agc cac atg gag gct gct cat ttt ggt gac ctg ggc Lys Lys Gln Pro Ser His Met Glu Ala Ala His Phe Gly Asp Leu Gly 95 100 105	458
aga tct tgt ctg gac tac cag act caa gag acc aaa tca agc ctt tct Arg Ser Cys Leu Asp Tyr Gln Thr Gln Glu Thr Lys Ser Ser Leu Ser 110 115 120	506
aag acc ctt gaa caa gtc ttg cac gac act att gtc ctc cct tac ttc Lys Thr Leu Glu Gln Val Leu His Asp Thr Ile Val Leu Pro Tyr Phe 125 130 135	554
att caa ttc atg gaa ctt cgg cga atg gag cat ttg gtg aaa ttt tgg Ile Gln Phe Met Glu Leu Arg Arg Met Glu His Leu Val Lys Phe Trp 140 145 150 155	602
tta gag gct gaa agt ttt cat tca aca act tgg tgg cga ata aga gca Leu Glu Ala Glu Ser Phe His Ser Thr Thr Trp Ser Arg Ile Arg Ala 160 165 170	650
cac agt cta aac aca atg aag cag agc tca ctg gct gag cct gtc tct His Ser Leu Asn Thr Met Lys Gln Ser Ser Leu Ala Glu Pro Val Ser 175 180 185	698
cca tct aaa aag cat gaa act aca gcg tct ttt tta act gat tct ctt Pro Ser Lys Lys His Glu Thr Thr Ala Ser Phe Leu Thr Asp Ser Leu 190 195 200	746
gat aag aga ttg gag gat tct ggc tca gca cag ttg ttt atg act cat Asp Lys Arg Leu Glu Asp Ser Gly Ser Ala Gln Leu Phe Met Thr His 205 210 215	794
tca gaa gga att gac ctg aat aat aga act aac agc act cag aat cac Ser Glu Gly Ile Asp Leu Asn Asn Arg Thr Asn Ser Thr Gln Asn His 220 225 230 235	842
ttg ctg ctt tcc cag gaa tgt gac agt gcc cat tct ctc cgt ctt gaa Leu Leu Leu Ser Gln Glu Cys Asp Ser Ala His Ser Leu Arg Leu Glu 240 245 250	890
atg gcc aga gca gga act cac caa gtt tcc atg gaa acc caa gaa tct Met Ala Arg Ala Gly Thr His Gln Val Ser Met Glu Thr Gln Glu Ser 255 260 265	938
tcc tct aca ctt aca gta gcc agt aga aat agt ccc gct tct cca cta Ser Ser Thr Leu Thr Val Ala Ser Arg Asn Ser Pro Ala Ser Pro Leu 270 275 280	986
aaa gaa ttg tca gga aaa cta atg aaa agt ata gaa caa gat gca gtg Lys Glu Leu Ser Gly Lys Leu Met Lys Ser Ile Glu Gln Asp Ala Val 285 290 295	1034
aat act ttt acc aaa tat ata tct cca gat gct gct aaa cca ata cca Asn Thr Phe Thr Lys Tyr Ile Ser Pro Asp Ala Ala Lys Pro Ile Pro 300 305 310 315	1082
att aca gaa gca atg aga aat gac atc ata gca agg att tgt gga gaa Ile Thr Glu Ala Met Arg Asn Asp Ile Ile Ala Arg Ile Cys Gly Glu 320 325 330	1130

gat gga cag gtg gat ccc aac tgt ttc gtt ttg gca cag tcc ata gtc Asp Gly Gln Val Asp Pro Asn Cys Phe Val Leu Ala Gln Ser Ile Val 335 340 345	1178
ttt agt gca atg gag caa gag cac ttt agt gag ttt ctg cga agt cac Phe Ser Ala Met Glu Gln Glu His Phe Ser Glu Phe Leu Arg Ser His 350 355 360	1226
cat ttc tgt aaa tac cag att gaa gtg ctg acc agt gga act gtt tac His Phe Cys Lys Tyr Gln Ile Glu Val Leu Thr Ser Gly Thr Val Tyr 365 370 375	1274
ctg gct gac att ctc ttc tgt gag tca gcc ctc ttt tat ttc tct gag Leu Ala Asp Ile Leu Phe Cys Glu Ser Ala Leu Phe Tyr Phe Ser Glu 380 385 390 395	1322
tac atg gaa aaa gag gat gca gtg aat atc tta caa ttc tgg ttg gca Tyr Met Glu Lys Glu Asp Ala Val Asn Ile Leu Gln Phe Trp Leu Ala 400 405 410	1370
gca gat aac ttc cag tct cag ctt gct gcc aaa aag ggg caa tat gat Ala Asp Asn Phe Gln Ser Gln Leu Ala Ala Lys Lys Gly Gln Tyr Asp 415 420 425	1418
gga cag gag gca cag aat gat gcc atg att tta tat gac aag tac ttc Gly Gln Glu Ala Gln Asn Asp Ala Met Ile Leu Tyr Asp Lys Tyr Phe 430 435 440	1466
tcc ctc caa gcc aca cat cct ctt gga ttt gat gat gtt gta cga tta Ser Leu Gln Ala Thr His Pro Leu Gly Phe Asp Asp Val Val Arg Leu 445 450 455	1514
gaa att gaa tcc aat atc tgc agg gaa ggt ggg cca ctc ccc aac tgt Glu Ile Glu Ser Asn Ile Cys Arg Glu Gly Gly Pro Leu Pro Asn Cys 460 465 470 475	1562
ttc aca act cca tta cgt cag gcc tgg aca acc atg gag aag gtc ttt Phe Thr Thr Pro Leu Arg Gln Ala Trp Thr Thr Met Glu Lys Val Phe 480 485 490	1610
ttg cct ggc ttt ctg tcc agc aat ctt tat tat aaa tat ttg aat gat Leu Pro Gly Phe Leu Ser Ser Asn Leu Tyr Tyr Lys Tyr Leu Asn Asp 495 500 505	1658
ctc atc cat tcg gtt cga gga gat gaa ttt ctg ggc ggg aac gtg tcg Leu Ile His Ser Val Arg Gly Asp Glu Phe Leu Gly Gly Asn Val Ser 510 515 520	1706
ccg act gct cct ggc tct gtt ggc cct cct gat gag tct cac cca ggg Pro Thr Ala Pro Gly Ser Val Gly Pro Pro Asp Glu Ser His Pro Gly 525 530 535	1754
agt tct gac agc tct gcg tct cag tcc agt gtg aaa aaa gcc agt att Ser Ser Asp Ser Ser Ala Ser Gln Ser Ser Val Lys Lys Ala Ser Ile 540 545 550 555	1802
aaa ata ctg aaa aat ttt gat gaa gcg ata att gtg gat gcg gca agt Lys Ile Leu Lys Asn Phe Asp Glu Ala Ile Ile Val Asp Ala Ala Ser 560 565 570	1850
ctg gat cca gaa tct tta tat caa cgg aca tat gcc ggg aag atg aca Leu Asp Pro Glu Ser Leu Tyr Gln Arg Thr Tyr Ala Gly Lys Met Thr 575 580 585	1898
ttt gga aga gtg agt gac ttg ggg caa ttc atc cgg gaa tct gag cct Phe Gly Arg Val Ser Asp Leu Gly Gln Phe Ile Arg Glu Ser Glu Pro 1946	

590					595					600					
gaa cct gat gta agg aaa tca aaa gga tcc atg ttc tca caa gct atg	1994														
Glu Pro Asp Val Arg Lys Ser Lys Gly Ser Met Phe Ser Gln Ala Met															
605 610 615															
aag aaa tgg gtg caa gga aat act gat gag gcc cag gaa gag cta gct	2042														
Lys Lys Trp Val Gln Gly Asn Thr Asp Glu Ala Gln Glu Glu Leu Ala															
620 625 630 635															
tgg aag att gct aaa atg ata gtc agt gac gtt atg cag cag gct cag	2090														
Trp Lys Ile Ala Lys Met Ile Val Ser Asp Val Met Gln Gln Ala Gln															
640 645 650															
tat gat caa ccg tta gag aaa tct aca aag tta tga ctcaaaactt	2136														
Tyr Asp Gln Pro Leu Glu Lys Ser Thr Lys Leu *															
655 660															
gagataaagg aaatctgctt gtgaaaaata agagaacttt tttcccttgg ttggattcctt	2196														
caacacagcc aatgaaaaca gcactatatt tctgatctgt cactgttggt tccagggaga	2256														
gaatggggag acaatcctag gacttccacc ctaatgcagt tacctgtagg gcataattgg	2316														
atggcacatg atgtttcaca cagtgaggag tctttaaagg ttaccaa	2363														
<210> 34															
<211> 662															
<212> PRT															
<213> Homo Sapien															
<400> 34															
Met Arg Gly Ala Gly Pro Ser Pro Arg Gln Ser Pro Arg Thr Leu Arg															
1 5 10 15															
Pro Asp Pro Gly Pro Ala Met Ser Phe Phe Arg Arg Lys Val Lys Gly															
20 25 30															
Lys Glu Gln Glu Lys Thr Ser Asp Val Lys Ser Ile Lys Ala Ser Ile															
35 40 45															
Ser Val His Ser Pro Gln Lys Ser Thr Lys Asn His Ala Leu Leu Glu															
50 55 60															
Ala Ala Gly Pro Ser His Val Ala Ile Asn Ala Ile Ser Ala Asn Met															
65 70 75 80															
Asp Ser Phe Ser Ser Ser Arg Thr Ala Thr Leu Lys Lys Gln Pro Ser															
85 90 95															
His Met Glu Ala Ala His Phe Gly Asp Leu Gly Arg Ser Cys Leu Asp															
100 105 110															
Tyr Gln Thr Gln Glu Thr Lys Ser Ser Leu Ser Lys Thr Leu Glu Gln															
115 120 125															
Val Leu His Asp Thr Ile Val Leu Pro Tyr Phe Ile Gln Phe Met Glu															
130 135 140															
Leu Arg Arg Met Glu His Leu Val Lys Phe Trp Leu Glu Ala Glu Ser															
145 150 155 160															
Phe His Ser Thr Thr Trp Ser Arg Ile Arg Ala His Ser Leu Asn Thr															
165 170 175															
Met Lys Gln Ser Ser Leu Ala Glu Pro Val Ser Pro Ser Lys Lys His															
180 185 190															
Glu Thr Thr Ala Ser Phe Leu Thr Asp Ser Leu Asp Lys Arg Leu Glu															
195 200 205															
Asp Ser Gly Ser Ala Gln Leu Phe Met Thr His Ser Glu Gly Ile Asp															
210 215 220															
Leu Asn Asn Arg Thr Asn Ser Thr Gln Asn His Leu Leu Leu Ser Gln															
225 230 235 240															
Glu Cys Asp Ser Ala His Ser Leu Arg Leu Glu Met Ala Arg Ala Gly															
245 250 255															
Thr His Gln Val Ser Met Glu Thr Gln Glu Ser Ser Ser Thr Leu Thr															
260 265 270															
Val Ala Ser Arg Asn Ser Pro Ala Ser Pro Leu Lys Glu Leu Ser Gly															
275 280 285															
Lys Leu Met Lys Ser Ile Glu Gln Asp Ala Val Asn Thr Phe Thr Lys															
290 295 300															

Tyr Ile Ser Pro Asp Ala Ala Lys Pro Ile Pro Ile Thr Glu Ala Met
 305 310 315 320
 Arg Asn Asp Ile Ile Ala Arg Ile Cys Gly Glu Asp Gly Gln Val Asp
 325 330 335
 Pro Asn Cys Phe Val Leu Ala Gln Ser Ile Val Phe Ser Ala Met Glu
 340 345 350
 Gln Glu His Phe Ser Glu Phe Leu Arg Ser His His Phe Cys Lys Tyr
 355 360 365
 Gln Ile Glu Val Leu Thr Ser Gly Thr Val Tyr Leu Ala Asp Ile Leu
 370 375 380
 Phe Cys Glu Ser Ala Leu Phe Tyr Phe Ser Glu Tyr Met Glu Lys Glu
 385 390 395 400
 Asp Ala Val Asn Ile Leu Gln Phe Trp Leu Ala Ala Asp Asn Phe Gln
 405 410 415
 Ser Gln Leu Ala Ala Lys Lys Gly Gln Tyr Asp Gly Gln Glu Ala Gln
 420 425 430
 Asn Asp Ala Met Ile Leu Tyr Asp Lys Tyr Phe Ser Leu Gln Ala Thr
 435 440 445
 His Pro Leu Gly Phe Asp Asp Val Val Arg Leu Glu Ile Glu Ser Asn
 450 455 460
 Ile Cys Arg Glu Gly Gly Pro Leu Pro Asn Cys Phe Thr Thr Pro Leu
 465 470 475 480
 Arg Gln Ala Trp Thr Thr Met Glu Lys Val Phe Leu Pro Gly Phe Leu
 485 490 495
 Ser Ser Asn Leu Tyr Tyr Lys Tyr Leu Asn Asp Leu Ile His Ser Val
 500 505 510
 Arg Gly Asp Glu Phe Leu Gly Gly Asn Val Ser Pro Thr Ala Pro Gly
 515 520 525
 Ser Val Gly Pro Pro Asp Glu Ser His Pro Gly Ser Ser Asp Ser Ser
 530 535 540
 Ala Ser Gln Ser Ser Val Lys Lys Ala Ser Ile Lys Ile Leu Lys Asn
 545 550 555 560
 Phe Asp Glu Ala Ile Val Asp Ala Ala Ser Leu Asp Pro Glu Ser
 565 570 575
 Leu Tyr Gln Arg Thr Tyr Ala Gly Lys Met Thr Phe Gly Arg Val Ser
 580 585 590
 Asp Leu Gly Gln Phe Ile Arg Glu Ser Glu Pro Glu Pro Asp Val Arg
 595 600 605
 Lys Ser Lys Gly Ser Met Phe Ser Gln Ala Met Lys Lys Trp Val Gln
 610 615 620
 Gly Asn Thr Asp Glu Ala Gln Glu Glu Leu Ala Trp Lys Ile Ala Lys
 625 630 635 640
 Met Ile Val Ser Asp Val Met Gln Gln Ala Gln Tyr Asp Gln Pro Leu
 645 650 655
 Glu Lys Ser Thr Lys Leu
 660

<210> 35
 <211> 162025
 <212> DNA
 <213> Homo Sapien

<300>
 <308> GenBank AC005730
 <309> 1998-10-22

<400> 35
 gaattcctat ttcaaaagaa acaaatgggc caagtatggt ggctcatacc tgtaatccca 60
 gcacttttggg aggccgaggt gagggtggtc cttgaggtcaggagttccag gccagtctgg 120
 ccaacatggt gaaacactgt ctctactaaa aatacaaaaa ttagccggggc gtgggtggcgg 180
 gcacctgtaa tcccagctac tcaggagggt gaggcaggag aattgcttga acctgggaga 240
 tggaggttgc agtgagccga gatcgcgcca ctgctctcca gcctgggtgg cagagtga 300
 ctctgtctca aaaagaaaca aagaaataaa tgaaacaatt ttgttcacat atatttcaca 360
 aatttgaaat gttaaaggta ttatgggtcac tgatattcctg ttctattctt tatataatca 420
 ttaagtttga aatgtatact tgcactacta acacagtagt taatcttagt cctacaagtt 480
 actgctttta cacaatatat tttcgttaata tgtatgcact ggtgtttatg tacgtgttta 540
 tgtttatatc tgttaaaatt agcagtttcc atctttttct attttgtacc atcacatcag 600

ttcagaagga	ttgacagagc	aaaatgattt	gatgaagtat	aaaagtcaca	tgggtgagtgg	660
cataaataca	actctgaaca	attaggaggc	tcactattga	ctggaactaa	actgcaagcc	720
agaaagacac	atatcctata	tgtcaagaga	tgtaccaccc	aggcagttaa	agaagggaag	780
tacacataga	aagcacaaatg	gtgaataatt	aaaaaattgg	aattttatcag	acactggatt	840
cattttgctcc	taaagtcaga	gtcctctatt	gtttttttgt	ttttgtgggt	ttcttttttaa	900
atTTTTTTat	tttttgtaga	gtcggagtct	cactgtgtta	cccgggctgg	tctagaactc	960
ctggcctcaa	acaaacctcc	tgctcagct	tcccaaagca	ttgggattac	agacatgagc	1020
cactgagccc	agcccagacg	ctttagcatt	tatgaagctt	ctgaaatagt	tgtagaaacc	1080
gcataagctt	tccatgtcac	tttcaaagtt	tgatggtctc	tttagtaaac	caaccaagtt	1140
attcctcaag	ggcaaaataa	cattttctcag	tgcaaaactg	atgcacttca	ttaccaaaaag	1200
gaaaagacca	caactataga	ggcgtcattg	aaagctgcac	tcttcagagg	ccaaaaaaaaa	1260
aggtacaaac	acataactaat	ggaacattct	ttagaagagc	cccaaagtta	atgataaaca	1320
ttttcatcaa	agagaaaaga	gaacaagggtg	ttagcaaatt	cctctatcaa	ataacactaa	1380
acatcaagga	acatcaatgg	catgccatgt	ggaagaggaa	gtgctagctc	atgtacaaac	1440
cagtagataa	tttcaacttg	ctgccgaatg	aaacctcttt	gcaaggtag	aatcagcact	1500
tctcatgttt	gttttgcctt	gttttgtttt	gttttttagag	acaggccctt	gctctgtcac	1560
acaggctgga	gtgcagtggc	acgatcagag	ctcactgcaa	cctgaaactc	ctgggctcaa	1620
gggatcctcc	tgcccttagcc	tcccaaagtag	ctgggactac	aggcccacca	tgcccagcta	1680
atTTTTTTaaa	ttttctatag	agatgggac	tcactagcac	ctttcatgtt	tgatgttcat	1740
atacaacgac	caaggtacaa	tgtggaaaag	ggctctcagg	atctaaagtg	aaggagacc	1800
agaaagaaaa	ggggttgcta	catagagttag	aagaagtgtg	acttcatgcc	agtctacaac	1860
actgctgttt	tctcagagc	agagttagatg	atctaaatca	ggggtcccca	acccccagtt	1920
catagcctgt	taggaaccgg	gccacacagc	aggaggtgag	caataggcaa	gcgagcatta	1980
ccacctgggc	ttcacctccc	gtcagatcag	tgatgtcatt	agattctcat	aggaccatga	2040
accctattgt	gaactggagc	tgcaagggtg	gtaggttttc	cgctctttat	gagactctaa	2100
tgccggaaga	tctgtcactg	tcttccatca	ccctgagatg	ggaacatcta	gttgaggaa	2160
aacaacctca	gggctcccat	tgattctata	ttacagttag	ttgtatcatt	atttcattct	2220
atattacaat	gtaataataa	tagaaataaaa	ggcacaatag	gccaggcgtg	gtggctcaca	2280
cctgtaatcc	cagcacttcg	ggaggccaag	gcaggcggat	cacgaggtca	ggagatcgag	2340
accatcctgg	ctaaaacggg	gaaaccccgt	ctactaaaaa	ttcaaaaaaa	aattagccgg	2400
gtgtgggtgg	gggcacctgt	agtcacagct	actcgagagg	ctgaggcagg	agaatgggtg	2460
gaacctggga	ggcagagctt	gaggtaaagg	gagatcacgc	cactgcactc	cagcctgggc	2520
gacagagcga	tactctgtct	caaaaaaaaaa	aaaaaaaaaaaa	aaagaaataa	agtgaacaat	2580
aatgtaatg	tggctgaatc	attccaaaaa	aatcccccca	ccccagttca	cggaaaaaatt	2640
ctcccacaaa	accagtccct	gggtgccaaaa	aggttgggga	ccgctaattct	aaataatcta	2700
atcttcattc	aatgctaaaa	aatgaataaaa	cttttttttta	aatacacggg	ctcactttgt	2760
tgcccaggct	ggagtacggg	ggcatgatca	cagctcactg	tagcctcaat	caccagggcc	2820
ccagcgatcc	tcccacctaa	acttcctgag	tagctgggac	tacaggcacg	caccaccatg	2880
cccagctaatt	tttataagata	tttataagata	tgggggtctc	accatgttgc	ccagactggg	2940
ctcaaacctt	gggctcaagt	gatcctccct	caaactcctg	gactcaagtg	atcctccttc	3000
cttggcctcc	caaagtgtctg	ggattacaag	catgagccac	tgtaccagc	tggataaaca	3060
ttttaagtgc	cactacagtc	atggacaatc	aggcttttca	acatgcagta	tggacagtga	3120
gtcccagggt	ctgctttttc	atactgaaat	acatgtgata	ctaaggagaa	aggtgctcgc	3180
aaggaatttt	aaatttaaaa	atatttaaaa	tgaggaaaaa	actgtttctt	catgactttg	3240
ataaggctga	taaagaccat	ttctgtgac	tcaggtgatt	cactcaagta	gtatattttca	3300
gtaatcatta	tctggaacag	cctgaatctt	aaccaaaata	ccatgatttt	ttaatgctgt	3360
tatgatacct	tgatgatatg	accaaactgc	aatgtaggca	gctaaatctc	cacgagtttg	3420
acttccccga	gagttgacag	ttttcttcac	aaattaaaga	aatataattt	ttgatacatg	3480
attggcatat	ttaaaaacta	cactgaaatg	ctgcaaaatg	atataaagaa	acattttcca	3540
gaatcaaata	caatcaaaga	gtggattagg	aatctactca	ccattatcaa	ctaaatagaa	3600
acacttggac	tgggtgtggg	ggctcacatc	tgtaatctca	gcactttggg	aggccaaggc	3660
aggtggattg	cttgaggcca	ggagctcaag	accagcctga	gcaacatagc	aaaactctgt	3720
ctctacaaaa	aaaaaaaaaa	attaaccagg	catgggtggc	gatgcttgta	atcccagcta	3780
ctctggaagc	tgaagttagga	ggactgcttg	agcccaggag	atcaagactg	cagtgagccg	3840
tggctcatgct	gcgccacagc	ctgagtgaac	gagagagacc	ctgtctcaaa	aacaaaaaca	3900
aacaaaaaac	acttaacctt	cctgtttttt	gctgttgttg	ttgttgtttg	tttgttttga	3960
gatggagtct	cactctgttg	cccaggtcgg	agtgcagtgg	cgtgatcttg	gctcactgca	4020
agctctgcct	cccgggttca	cgccattctc	ctgcctcagc	ctcccagtag	gctgggacta	4080
taggcgccc	ccaccagcc	cggtactttt	tttgcatttt	tagtagagat	gggggtttcac	4140
cgtgttagcc	aggatggctt	tgatctcctg	acctcgtgat	ccacctgcct	cggcctccca	4200
aagtgcctgg	attacaggca	tgagccaccg	caccgcggcca	acctttctgt	tttttagttt	4260
gatattgctt	tttaactcagc	agctgaaaaga	atgctgaaag	tggccttcag	taaaaaaatt	4320
tcactagaat	ctcttaactc	atatttaact	tgaatgcata	tccagattga	tcagttagag	4380
caaaaacact	catcatcatt	cctgatgacc	tctaattctg	gtttcggctt	tctattttcaa	4440
tggaaacaga	ataaggaaag	aaatggaagg	gctctggaag	tttgtcctgg	gctatagata	4500
ctatcaaaga	tcaccaacaa	taagatctct	cctataaata	taaaacaagt	ataattaatt	4560
ttttaattat	ttttttctct	tcagaggatt	ttatttcaag	ataaaacata	acttctaccc	4620

atactattga	ttccaaaggt	tagaaaaagt	gtttttcttc	atcttatcct	tcaaagaggt	4680
cacagcaatg	caaacatcta	taaaatgcct	ctgcataatt	gtcagaagct	atagtccaga	4740
aatcattgaa	aatgcttttc	cattttaagc	ttaggtgagg	tgtcttagga	aacctctatg	4800
acaacttact	ctattttattg	ggaggtaaac	tcccagactc	tcccagggtc	tcctgtattg	4860
atctcatttt	ttaggcttcc	taatcccttg	aagcacaaatc	gaaaaagccc	tggatctctt	4920
ttctgcacat	atcatcgcg	aattcattcg	gcttccagca	agctgacact	ccatgataca	4980
agcggcctcg	cccttctccg	gacgccagtc	cttgetgagg	ttagctagga	tgaggggttt	5040
gctgggcttc	agtgcaggct	tctgcggtt	cccaagccgc	accagggtggc	ctcacaggct	5100
ggatgtcacc	attgcacact	gagctcctgg	caggctgtac	caatttttta	attatttaat	5160
atttattttt	aaaattatgg	tgaatatttt	ggtattctgc	tctaaaatag	gcccataaat	5220
gcacagcaga	tatctcttgg	aaccacagc	tttccactgg	aagaactaag	tatttttctt	5280
ttaaagatgc	tactaagtct	ctgaaaagtc	cagatcctct	acctctttcc	atcccaaact	5340
aagacttgga	atztatgaga	gatctagcta	acagaaatcc	cagacacatc	attggttctt	5400
cccagagtgc	agtcctccta	aagaggctca	gccctaagca	ggccccctgca	ccaggagggt	5460
gggtctgaga	cccacatagc	acttcccaag	gtgcatgctc	cagagaggca	ctgaaacagc	5520
tgagcacaag	cctgcaagcc	tggagaactc	tcacagtcag	aacggaggggg	gcccagtggt	5580
actaacataa	agagaaaagg	gaacacagag	aaatggatgg	caccaacaac	cagcaaagcc	5640
ttcatggcca	atgaaagcat	cagtgcaggg	gccagaacct	tcatcccca	agactcttca	5700
ctgccttttag	tgaaaaacaa	tggctagaga	gtgaagttat	gatcatgtat	agagaggtaa	5760
agttacattt	ttatattctg	actctgctaa	tgtgaaattc	cctatctgct	agactaaaag	5820
tttcagacac	cctgttcaaa	tatcccatta	tttgctagag	acttaaaatg	aacagaacgc	5880
acattgtcag	gatgactatt	acaaaaaat	caaaagacag	caagtattgg	tgaggatgta	5940
gagaaactgg	aacttttgtg	cactgtttat	gagaatgtaa	aatggagcag	ctgctgtgga	6000
aaagagtatg	caggttcctc	aaagagtaaa	accaagatgt	ggaaacaact	aaatgcccc	6060
cagtggtatg	aggggtagac	aatatgtggt	atatacatag	catggagtac	tattcagcct	6120
ctaaaaaaa	aaaagggaat	tctataacat	gcaacagcat	ggatgaatct	tgaggacatt	6180
ttgctaata	aataaggcag	tcatagaaag	acaaatactg	cacgactcca	cttatatgag	6240
ataccaaaa	tagacaaatt	catagaatca	aagagtacaa	tggaggttac	ctggagctgc	6300
agggcgggaa	acgaggagtt	actaatcaac	gaacataacg	ttgcagttaa	gtaagatgaa	6360
taagctctca	agatcagctg	tacaacactg	tacctagagt	caacaataat	gtattgtaca	6420
cttaaaaaat	tgttaagggg	agattaacaa	atgtagtaga	tccacaaatg	tgggttaagt	6480
ttcttaccac	agtaaaataa	aaaaagaata	tcaagcccag	gagttcgaga	ctagcctggg	6540
taacatggtg	aaaccctgtc	tctacagaaa	atacaaaaat	tagccagctg	tggagggtgca	6600
ctcctaggga	ggctgaggtg	ggaggcttgc	ttgagcccag	gaggtcaagg	ctgcagtgag	6660
ccatgattgc	accactgtac	tccagcccag	atgacagagc	aagacaccac	cccccccaa	6720
aaaagaaaa	gaatatcaaa	catttttaaa	gatcagatac	gcaagaacaa	caacaaaaaa	6780
gagatgaaca	gagcatcgac	cctcatctag	tgggattctt	ggtctaactg	aaaaacagac	6840
attgagagac	aaacaatgac	agtgatgtga	tcacagcaat	tacacaggta	tcccctgggg	6900
actgcagaag	aaaggaggaa	tgcctaactt	tcagaaaaata	gagaaagcgt	caaacagttg	6960
gtgaaagcct	tccaaaacta	gagagaactg	cacacaccaa	atcacagaaa	gaagaaaagc	7020
cgtgggagat	tctgggaccc	accggctatt	tttgatggct	gaacaccctg	ctgcaggaga	7080
gacaggagct	ggaaagcatg	gtgggatgaa	acctcaaaca	gctttgcctg	cattgcttaa	7140
gatgactggg	cttgattaac	tctagtcaat	ggggacaatt	caatcaaaga	agaaagatgc	7200
tcaaatctac	gattttttat	gattttttat	ggcagtatgg	ggaatagatt	aaaagagagt	7260
gaagctggag	gcaagaaact	tgttaagagg	caactgaaac	agtctagatg	ataaataata	7320
aactgacaga	gtgactagaa	aaatcagaac	aggctgaatc	aacagatacc	tagatgaaaa	7380
taacaggact	tgatcaccag	ttgtatcttg	gagaggaagg	agttgtttcc	ttgctttccc	7440
tacgactggg	aatacggaa	gtttgcccgtg	tgtatttggt	atatactggt	gtgtagccaa	7500
tcactgacaa	ccatttagca	gcttaaaaaca	caaaggctta	tctcccagtt	tctgtgggcc	7560
aggaatctaa	gataggctta	gctggctggt	tctggctcag	agttttctca	gaggttgcaa	7620
tcaagatgtc	agctgggggt	gcatcatctg	aaggctcaac	tggggccgga	gggtccactt	7680
ccaaggagtt	cactcacctg	cctgacaagg	cagtgtggt	tgttggcagg	agatctcaat	7740
tcattgccaa	gtgagcctct	ctatagcatt	gctggaacat	cctccccatc	tggcagttgg	7800
cttctctcag	catgagtgat	ctgagagaga	gagcaaggag	gaagccacag	tgttcttctt	7860
actcctactc	ctaacactat	ggacctactc	ctaacactct	cactttctgcc	ttattccatt	7920
agttagaaa	ggaactaagc	tccacctctt	gaaataagaa	gtgtcaaaga	atgtgtggat	7980
atatttaaaa	atcatcacac	tgtggaagtg	gatagggggt	tcaattaatg	ctgaacttga	8040
aatgcctgag	acattcaaat	gtccaacagg	caatgaacat	acccatagat	ggatcatgact	8100
ttagcaaaag	tagaggaaag	tcacagaatt	aaggaggaa	tgaaaggtaa	aagaagtggg	8160
gtcagattcc	ccctgaaaag	tgagccatga	aaggaaactt	aactattgag	ttagagggtca	8220
gagtaggaaa	tttcgggtgga	attctttttt	aaagaaagga	accatataag	catgttttga	8280
ggtagaggga	gaataaatca	gtagacaggg	agaggtaaaa	aacataaatg	ataggggata	8340
gttgacaaa	gtcttggcag	aatcccttac	ccattgactt	ggggccaaga	gaggaagcact	8400
tctttgtttg	agggataaag	aaaataagaa	agaatgggtg	ctatttagtg	tgggtcctgtc	8460
tctagggcaa	acgcataagg	aacaaactgt	gtgtgttagg	aatatagatg	tgacctcaca	8520
ttgagattct	cacctcaaat	ccatttttgt	gttacctgta	ccttcctacc	ttctcttttt	8580
gctacatgca	gactgctgtt	ttgtcttctt	ggcctgttcc	aggtttcagc	attctggcat	8640

atctgctacc	ctgttcccaa	acctctctag	agtccatgct	ccttccttgg	atagtgtttg	8700
attgggccac	gtatctaaga	agtgatgcct	tcagttaggc	ctgagaacct	cctctatgga	8760
aatctccatc	agtgacctg	acagacttgg	tatcttggag	atgtcactgc	tcccagcctg	8820
tggtctagga	gaatctcagc	ctgggcctct	agtagtatgg	ataaggcggt	aagggtatctt	8880
tgaaccagag	tctgtcatat	tcctcaatgt	gggacagata	aaacagtggg	agtgtctggtg	8940
ttcttgagct	agaactctgg	tttttgggtc	agattccttg	atgtatgacc	tttcagaggt	9000
attaaaattt	gttctaatac	aatgttcaat	acaaatgtag	ttccttttct	gttaggacct	9060
caacaaaaca	tgaccaactg	tagatgaaca	ttaaactatg	acaattcatg	gaaatgaata	9120
cagtaatacc	tgcggttccc	ccatttttagc	agtcactatg	gtgacatttg	gcacaaatgg	9180
ctatttaagg	gtgcttttgt	taaaacctac	catcttacta	ggcacatgat	attgaaacta	9240
atgaaataat	ggagaaactt	cttaaaaact	tttaatgaat	aaagtgatga	agtgataata	9300
ttttagctgc	tatttataaa	gtgactatta	caggtcaaac	attcttctag	ggtttttttg	9360
ttgaagttgt	cacatttaaat	ccttaataac	ccactatgag	tcagggtatc	ttctctcccc	9420
tttggacagt	tggggaaatg	ggggtcagag	agggttaggt	atttgctcag	ggccacacaa	9480
cctgcatgta	gaaaatctga	gatttgtaca	ggaacgtatc	aaactctgaa	gtccatgctt	9540
ctattttccc	atgctgcctt	tctaataaaa	ggtaactaat	gctactggat	gctgccccca	9600
aagtgagtca	ctttcacccc	acctactctg	attttctcca	taaaactaat	cacatcctga	9660
caacttattt	attgctgata	tccccacta	gattataaac	tcaataaaaag	caagatcctt	9720
gtctgctgaa	tatcagtacc	taaaacgctg	tctagcacag	agcaagtaat	taatatttgt	9780
tgaatgaaca	aataaaggaa	aaaaattcaa	aggaagaaaa	agccctaata	cagatgttta	9840
cctaaacata	catttttaaaa	gaaagcatat	aacaaattca	ggacagaatt	taaatttgat	9900
tttttaaaaga	aataaccaag	tgctagctgg	gcacagtggc	tcacacctgt	aatcctagca	9960
ctctgggagg	ccgaggcagg	cagatcactt	gaggtcaaga	gttcaagacc	agcctggcca	10020
acatggtgaa	acctgtctct	actaaaaata	cagaaattat	ccaggcatgg	tggcagggtc	10080
ctgtaacccc	agctactcag	gaggctgagt	caggagaatt	gcttgaaccc	aggaggcaga	10140
ggttgcagtg	ggccaagatt	gcaccactgc	actccagcct	gagtaacaaa	gcaagactct	10200
gtctgaagga	gaaggaaaga	aagaaggaaa	gaaggaaaga	aggaaagaag	gaaagaagga	10260
aagaaagaaa	gaaagaaaga	aagaaagaaa	gaaagaaaga	aagaaagaaa	gaaagaaaga	10320
aagaaagaaa	aagaaagaaa	gaaagaaaga	accaagtgtc	tatttgggac	ctactatgct	10380
atgtttttcc	atgcacgcta	ttttcagtaa	agcagtttagc	aaacttgcaa	gatcataaca	10440
acaaatatat	gcttctataa	ctctaaaatt	gtgctttaag	aagttcctct	ttaccagctc	10500
atgtatgcat	tagtttttcta	agagttacta	gtaacttttt	ccctggagaa	tatccacagc	10560
cagtttattt	aaccaaagga	ggatgcttac	taacatgaag	ttatcaaatt	tgagcctaag	10620
ttgggccagt	tcatgttaat	atactccaga	acaaaaacca	tcctactgtc	ctctgacaat	10680
tttaacctgaa	aattcatttt	ccacattacc	agggagccag	ggtaggagaa	tatagaaaga	10740
ccaccaagaa	atccttactt	ctttcagcaa	aatcaattca	aagtaggtaa	ctaaacacat	10800
gccctaacaa	tgaatagcag	atttgtgctca	gaagaatgat	ctacaacatc	ttactgtgaa	10860
ggaactactg	aaatattcca	ataagacttc	tctccaaaat	gattttattg	aatttgcatt	10920
ttaaaaaata	ttttaagcct	aaattttaaa	aggtttgata	ttggtacatg	aatagaaaata	10980
cagacatgga	cttagaccaag	aattaggttc	aaacatatac	aggaatttaa	tatacgataa	11040
atctagtatt	ccaaaggaac	caacaaatgg	tgttcagaca	gcaggatagg	catcaggaaa	11100
aacacagttg	ggcaccctac	cttactccta	acaccaggag	taactgaagg	agcaccacaa	11160
atttattttat	tttaattata	gtttttaagtt	ctagggtacg	tgtgcacaa	atgcaggttt	11220
attacatctg	tatacatgtg	ccatgttggt	gaggagcacc	aaatatttaa	aagaaaaaaa	11280
ttggccaggg	gcggtggctc	acacctgtaa	tcccagcact	ttgggaggcc	aagggtgggca	11340
gatcacctga	ggtcgggagt	tcgagaccag	cctgagcaac	atggagaaac	cccatctcta	11400
ctaaaaatac	aaaattagcc	aggcatgggt	gcacatgcct	gtaatcccag	ctacttggga	11460
ggctgaggga	ggagaatagc	tttaatctgg	gaggcacagg	ttgcggtgag	ctgagatatt	11520
gcactccagc	ctgggcaaca	agagcaaaa	ttcaactcaa	aaaaattaat	aaataaataa	11580
aaataaagaa	agaaaagaaa	aaaatgaaaa	tagtataatt	agcagaagaa	aacaccgtag	11640
aatcctcgga	ctcttaggat	ggggaatgcc	tataatataa	aaaccctgaa	gttataaaaag	11700
agaaaatcac	ctacatacaa	accaaattct	tctacatgcc	taaaacatag	cacaaacaca	11760
gctaaataat	catagctgaa	tgaactggga	aaacaaaact	tgactcatat	ccagacagag	11820
ttaatttttc	tacacataaa	gagtacctat	ataaaaccaa	caaaaaaacc	accactaacc	11880
caaaaataaaa	atgtgacagg	taatgaacag	gtagttcaca	gagaatacaa	atggctcttc	11940
ggcacataag	atgctcagac	tgactttttac	ttattttatt	tttgagagac	agggctctcac	12000
gatgttgccc	aggttaggct	caaactcctg	ggctcaaatt	atagtaccag	gactacaggt	12060
gtgccccacc	gcacctggct	cctcaaccac	ctgtatttaac	aggaaaatgca	aaataaaaact	12120
ttcaaatcta	ttttacctat	tagaatggca	aaaatttgaa	aaacttcaaa	catcatcatg	12180
ttggtgagaa	tgtgaggaga	ctggcactct	catttttttg	tgatagcata	tataactga	12240
tggcttctat	ggaaagcaat	ctggcagcgt	ctatcaaatt	tacaagtgca	tatatccttt	12300
gacaaagcaa	ttccactcta	ggaatgtgtt	ctatatgggt	gtgcttctct	gggctgggaa	12360
ctgggagcta	agggacagg	gcagaagata	atcttctttt	ccctccttcc	ccgttaaaaa	12420
tggtgaattt	tataactgtt	aatatattat	ttttcacaaa	agataatttt	taagcgatat	12480
gtctgggaat	tttttttttt	cttttctgag	acagggtctc	actctgtcat	ccaggctgga	12540
atgccatggt	atgatctcag	ctgactgcag	cctcgacctc	ctgggttcaa	gcaatcctcc	12600
cacctcagcc	tcctgagtag	ctgggactac	aggcacgtgc	catcatgcta	atttttgtat	12660

atacagggtc	tcactatggt	gccagggtc	atgtcaaact	cctagggtca	agcaatccac	12720
ccacctcagg	ctccaaagtg	ctgggattac	aggcgtgagc	caccgcgcct	ggccctggga	12780
attctttacaa	aagaaaaaat	atctactctc	cccttctatt	aaagtcaaaa	cagagaagga	12840
aattcaacct	ataatgaaag	tagagaaggg	cctcaaccct	gagcaacaaa	cacaaaggct	12900
atttcttgaga	caggaatttg	ctgaacaaaa	tcgaggggaag	atgacaagaa	tcaagactca	12960
cttctcggct	gggcgcagtg	gctcacacct	gtaatcccag	cactttggga	ggccgagcg	13020
gacagatcac	gaggtcagga	gattgagacc	atactggcta	acacagtga	acccagtctc	13080
tactaaaaat	acaaaaaatt	agccggggcg	ggtggcaggt	gcctgtagtc	ccagctactt	13140
gggaagctga	ggcaggagaa	tggcgtgaac	ccaggaagcg	gagcttgtag	tgagcccgaga	13200
tcacgccact	gcactccagc	ctgggtgaca	gagcaagact	ctgtctcaaa	aaaaaaaaaa	13260
aagactcatt	tctctagatc	ttgagccgta	ttcaaattta	tctcagctta	gtgagagggt	13320
aaagcaagga	atatccttcc	ctgtgggccc	tgctccttac	tgaaggaagg	taacggatga	13380
gtcaaggaca	ccaatggaga	aaagcactaa	caccattatc	tgatgaacat	tacgtgaaga	13440
agggttaagaa	gtgaagtggga	attgctgaag	aagtcagtga	aagcggacat	tcatttgggg	13500
aaatggaata	taggaaatcc	ataaaagtga	ttaaaaagat	gttagaggct	gaggcggggg	13560
gaccacaggg	tcaggagatc	gagaccatcc	ttggctaacc	ggtgaaaccc	catctctact	13620
aaaaatacaa	aaaattagcc	aggcgtgggt	gcaggcacct	gtagtcccaa	ctactcggga	13680
gactgaggca	ggagaatggc	atgaacctgg	gagacggagc	ttgcagtgag	ccgagatcac	13740
gccactgcac	tccagcctgg	gtgacagagt	gagactccat	ctcaaaaaaa	aaagttagat	13800
acgagagata	agaatccaac	agacacacaa	ctgctaattc	tgaacagaa	aaaacaaatg	13860
gcacagggaaa	agaaaattta	agatataaca	ccggaaaact	ttcctgaaat	tgagtaactg	13920
aatctatagc	ttgaaagggg	ttagcatatg	ccaagaaaaa	tcagttagagt	ccaaccagca	13980
caagacacat	ctagcaaggc	tgggtgattct	accaacacag	agaaagaagt	gggtgaccca	14040
taatgcgga	aaaggcagac	catctgcagt	cttctccaga	acactggagt	ctgaagacaa	14100
aagaatgctg	cctactgagc	cagaagggag	agaaagtga	ccaacacatc	tttaccaagt	14160
tagaatgtca	cgcattatct	aaaggctgca	aaagccatga	aagacatgaa	agaacacaag	14220
cattttacaac	atgaaagaac	acaagcattc	tcataactca	gaatccttaa	gaaaaatgta	14280
gtcctaatacc	agcccactga	aagttaaatg	tacttaatgt	gtcatttaat	gggaacttca	14340
tagcttcaaa	tcagtctggg	cccatctacc	aacatctctc	gcccggcttt	cctgcaatag	14400
tcagcacctt	tccctcctcc	cagtcttgct	ccctggagtc	tgctctcagc	atagcagagt	14460
gaccacatca	acacccaagt	cagagccctc	cagtgcgcac	tggtctacaa	agcccttccc	14520
acccccacc	ccacgtgccc	tccggatcct	tgtgacgtgt	ctcctgcata	ccctagcagc	14580
cctggcctcc	tcactgcccc	tcctgtacat	caggaaggcg	actccttgag	tcttggctct	14640
ggcgccctcc	tccacctgca	gtgagttaac	tcctctacct	actctaggtc	attgctcaaa	14700
tgtcagcatc	tcaatggggc	cctccctgac	taccctatct	aaattctaca	tactcccctt	14760
gaccccatgg	acctcactca	ccctattcca	cttttattct	tacaatttag	cacttggtct	14820
cttctaactg	attctaagac	ttactcattt	attacattgt	ttgccacccc	ctctagtaca	14880
taaactccag	aggggcaggg	atctctgtct	atttattcat	ttctttatcc	ctaggacata	14940
gaacagggca	tagttcagag	tattcaatgt	tatcaatgaa	tgaactagca	gtagtagcag	15000
ttccagttag	gcacagaatt	aaatctaatt	agaattaaat	ctcatggtct	gggttaacta	15060
tggatagaaa	attagatata	atcttaagaa	gcctagaaag	aaaaaattaa	taatgtaaaa	15120
ataatattaa	tttgataata	ataacaaaaa	ctctgcccag	cactgtgggt	caaatctgca	15180
atcccagcta	ctcaggaggc	tgagggtgga	ggatcacttg	agaccagagt	tcaagactca	15240
gcctaggcaa	cacggcaaga	aactgtctct	aaaaaaatta	aaacttaaat	ttttaaaaaa	15300
gaattctcaa	agcgtcacaa	aaactggaga	ttaagggtaca	ggaagtgtga	agtaatatata	15360
ctatgctaata	ggtttttttt	tttttttagaa	aggtataacc	aaaagatttc	tttctcaagt	15420
cgataaaactg	agaaagataa	gcataatctc	caattaacag	agggggaggga	aaagccagat	15480
acaacaaaaa	aagatatata	ttagttttcca	gttgaaaaca	agagtaggag	ttattttgca	15540
tcacctcacc	tgtgacctcc	cccagcccaa	aaaacactac	tgataaacag	ggtagaaaaa	15600
catcatctca	gataaagcag	gaaaaactgc	cacagtctca	aaccacaaac	tataagcaca	15660
cacctggcca	accctgcca	gtctgggctc	agtaggagga	acgtgctgag	agctaggatg	15720
taccaactta	gacattctgt	gggatacaga	tgtccctgga	agggtcacac	catctcaaa	15780
gcacctgtaa	tgcccactga	ttacagccac	catatgtgag	agagaaactc	agggcactta	15840
gagagtataa	caagaacctt	atgtcatctg	agatgaggaa	tcctcagccc	tgcaaatata	15900
ccaactcttt	agaacaactg	gcaaaacata	aatatccaca	acttttggtt	cagtaattcc	15960
actcttagat	atcaatccaa	agtacatgag	acagcagata	cacacacaaa	atgggtattta	16020
ctgcagcatt	gtttataata	gcaaaaaaca	agaaataatc	catatgtctc	aataggatac	16080
tgggtacatg	agggtagtga	cccatcatct	aacctcaaaa	aagagtgata	tggatgtcca	16140
cagatggaca	taaaaagctg	tgtgttacgt	gaaaaacaa	tcaagcagca	gcaggatggg	16200
cttatgatag	tcagtatgag	ctaatttctg	gaaaaaaaaa	tctagtgtgt	gcacagaaaa	16260
catctgaaag	aacagaaaca	aaactatcag	cagaatattg	agatgtttta	ctaagttgta	16320
tatctatact	gcttgtaatt	tttaccctca	gcaagaatta	ctttttggaa	aaagaaaatt	16380
caggaaataa	agcatttctt	taaacttcat	gttttaacaa	atgggtgatgg	aataaaaagag	16440
ttcttattca	tcataaacac	acacagcaca	catgcacgca	tgtgcgtgag	cacacccttt	16500
acttgataaa	taccatgttg	aatatttttag	tctttccttt	taggttctat	cccttcaact	16560
aaaatgcggg	tataaataaa	tgtacttttc	atgtgccttc	tgccataaac	cactttaata	16620
taactttaca	gtcccattat	cattatagtc	tcaaagctag	actcagcctg	aaactaccct	16680

ttcatttggga	acccttatta	aaatgccaca	tacagctcct	tcaaataaaa	acaaacccta	16740
ggacctgaca	ctaggcttcc	tttgttgcta	ctcataatgg	ccaagttctg	tgcttataat	16800
acatcttctt	tcattttatt	gctacatata	caagggtttt	atatgttttt	cttattatat	16860
cttaattcaa	aacaccatca	cgctcttttc	cagatgaaaa	taaggaaaaa	aaattgagca	16920
actgactgac	ttaaagggtca	taaaactata	tagtagcaga	gtcagcaaaa	gaagaaacac	16980
acatctccca	agtagaggct	gaaaaccagt	accattcacc	tccagggtga	gctatatata	17040
gattacaaaag	tcaccttctc	taaatgtttca	aactgaatcc	catacccata	ctttaccact	17100
acctcgtaag	aacagcctca	gatcttggtta	tagccttttt	tttagcatgc	tgaagccaat	17160
aaaatgcttc	ccattcagca	agagaaacaa	gttctgaaac	actgaataat	ctgcccaggg	17220
cctatgaaca	tttccactgt	gagaaatggt	ctccactgtg	tggagaagat	ccttactctt	17280
ctccacacag	gcagaacatt	agaaaaattc	ttggattcta	tgatgcacag	cttaggagtc	17340
tgtttagcac	aattttaagtc	caaatagtta	ttaaatcctc	ctctgttcca	gaaacagtgc	17400
taaatactgt	gaatataaaa	attgaaaaga	tactctcctg	gctcccaaga	aagtcagcca	17460
gatagaggag	acacaggcac	acaaatcact	gtcacatgaa	gctctacctc	cctaacttca	17520
aacgagggcc	taagtcacca	agaatacagt	agcagttgtg	actacgagta	actactataa	17580
ttcaatactt	tatcttccct	tagaaaactc	ttctcccttg	gaaattttatt	tgcatcttca	17640
aataccattc	cttactaaaa	ggaagcaggg	ctccttgggg	aaatagctga	ttctaggtgt	17700
ggactatgaa	atgaaaatgg	tgagtctggg	acatcccatg	ttgcccagaa	atcaaggaac	17760
tgcccaaaga	ttaacagagt	catgtttaat	ggacctaaga	gtgaaccaga	aggagctcac	17820
tttgccccgc	gtggaacaat	ttcaagaaaa	aatgacagat	aatgaattat	aaaacatgaa	17880
ttaaaataca	tatttggtact	aaaaagagaa	caaaaggatg	tggttttggg	taaaagctctt	17940
cttcatggaa	gaataccagc	taataaatgt	aaaggaaatg	agagaattag	aaaaattatc	18000
attttgtaaa	ccttaatatata	ttcacctaga	catgctaaaa	ccactgagta	aaaggctgct	18060
tggggaagagg	atgctcacat	gatctcagag	tttcacacca	cagataaatt	attagatata	18120
ggaaggaaga	tgtgatcaag	cttctgttga	ccccagcca	ggccccacaa	cactatgtgc	18180
ctccttgtga	tgtgggagct	acacagcatc	gccccacacag	cttctcgcca	aaactgtttg	18240
aagctaataca	caagggaaga	actggacagc	ttctgaccat	gagacgctcc	accagacaac	18300
ttgcttggcc	tctccaaaaga	aacttgcttg	gcctctccaa	agaaaactca	gtttcattta	18360
aaaacaaaaa	taattatttta	aaaacaaacg	aaaagcaagt	tgtggacttg	agctccaggg	18420
acagagcaga	catacttttc	cctgttcttc	ccagtaagtg	gtaataaaaa	ccctcaacac	18480
tagatataaaa	acaaatataa	gaagggttctg	gaaggggaag	aggaggcaga	ctatccaggt	18540
gccttgaggc	ccacagaaca	acccagtgat	gggttccactg	ggtcttcttt	ttgcttcatt	18600
atctcagact	tggagctgaa	gcagcaggca	acttcaaaac	accaaggggc	acagattgaa	18660
aagccccaag	aaaagcctgc	cctctctagc	caaaggacca	ggaaggagac	agtctaattga	18720
gatggaacac	atthagacag	taactgcccc	tttaccagca	ataactgagc	aggggaccta	18780
gacttccagt	cttgtgagga	cgtaccaagg	tacccaacac	ccccaccaag	gctgagtaag	18840
gactgcgact	tttatccctg	catggcagta	gtaaggagcc	catccctcac	ccgcccagcag	18900
tgtcagggga	acctggactt	ccactcccac	ccaggagtga	tgaggccctc	cctgctgggg	18960
tcatgtcaga	ggaggccctag	tggagattca	gtgacttaac	cttttcccag	agataatgag	19020
gccactcttc	cccctcttc	cccatgggtg	acagtgaag	cactgtggca	agcagtaggc	19080
actcctaccc	ctcctagcca	gggaggtatc	agggaggcca	agtagggaac	cagaataccc	19140
acaaccaccc	agcagcaaca	ggggtcccc	accccatggg	gtgtcaatgg	aagcagagcg	19200
gaaagcctgg	atatttaccc	ccatctagaa	gtaacaagct	gatgtcccc	ttcttctact	19260
acaattggtgt	tcaaaaacagg	tttaataaag	gtctagagtc	tgataacgta	atacccaa	19320
cgttgaagtt	ttcattgagg	atcatttata	ccaagagtca	ggaagatccc	aaactgaaag	19380
agagaaaaga	caattgacag	acactagcac	taagagagca	cagatattag	aactacctga	19440
aaggatgtta	aagcacatat	cataagcctc	aacaggctgg	gcgcgggtgg	tcacgcctgt	19500
aaccccagca	ctttgggagg	ccgaggcagg	tggatcacaa	gatcaggaga	tcgagaccat	19560
cctggctaac	acggtgaaac	cccgtctcta	ctaaaaatac	aaaaaaaaat	agcaaggcat	19620
ggtggtgggc	acctgtagtc	ccagctactc	gggagcctga	ggcaggagaa	tgcatgaac	19680
ctgggaagag	gagcagtgag	ccgagatcgc	accaccgcac	tccagcctgg	gcaacagagc	19740
aagacttcgt	ccccaaaaaa	aaaaaaaaaa	aaaaaaaaagc	ctcaacaaac	aactacaaac	19800
gtgcttgaaa	caaatgaaaa	aaaaatcttg	gcaaagaaat	aaaagatata	tattttggcc	19860
aggtgcagtg	gctcacagcc	tgtaatccct	gcactttggg	aggctgaggc	agggcgatca	19920
cctgaggtca	ggagtttgag	accagcctga	ccaacatgga	gaaaccccg	ctctactaaa	19980
aatacaaaat	tagccagtca	tggtggcaca	tgctgtaat	cctagctact	caggaggccg	20040
aggcaggaga	atcgcttgaa	ctcaggaggt	ggaggttgcg	gtgagccgag	atcccgcct	20100
tgcacattgc	actccagcct	gggcaacaag	agcaaaactc	catctcaaaa	aaatagatac	20160
atattttaat	ggaaatttta	gaattgaaaa	atacagtaac	caaattgaat	ggaaagacaa	20220
catagaatgg	agggggcaga	caaaataatc	agtgaacttc	aacagaaaat	aatagaaatt	20280
acccaatatg	agaacagaaa	agaaaataga	ctggccaaaa	aataaagaag	aaaaaagagg	20340
agcagcagga	ggaatgatgg	aaaaagagaa	aggaaggaag	gaaggggaag	agggagggaa	20400
ggagtggagg	agaaaagctc	aaagacctct	gagactaaaa	taaaagatct	aacacttgct	20460
atcaggggtc	aggaaagaga	caaagatggc	acagctggaa	acgtattcaa	aaaataatag	20520
ctgaaaactt	cccaaatttg	gcaagagaca	taaacttata	gattcgaaat	gctgaacccc	20580
aaataaaaaa	cccaataaaa	tccacaccaa	aatacatcat	agtcaaactt	ctgaaaagac	20640
gaaaagagaa	aacgtcttga	aagcagtgag	tgaacaaca	cttcatgtat	aagggaaaaa	20700

caattcaagt	aacagatttc	ttacagaaat	taaggaagcc	agaaggaaat	gacacaatgg	20760
ttttcaagtg	ctgaaagaaa	agaagtggtca	acacaaaatt	ctagattcag	taaaaatatc	20820
cttcaagaat	caatgggaaa	tcaagacagt	ctcagataaa	gcaaaataag	agaatatgtt	20880
gccagcagat	ctccccataa	ggaatggcaa	aaggaagatc	atgcaacaga	ccaaaaaatg	20940
atgaaagaag	gaatccagaa	acatcaagaa	gaaagaaata	acatagtaag	caaaaaatca	21000
tgtaattaca	ataaaatttc	tatctcctct	taagacttct	aaatttatatt	gatgggtgaa	21060
gcaaaaatta	taaccctgtc	tgaagtgtct	ctactaaatg	tatgcagaga	attataaatg	21120
gggaaagtat	aggtttctat	acctcattga	agtggtaaaa	tgacaacact	gtgaaaagtt	21180
acatacacac	acacacgtaa	gtatatataa	atatatgtgt	gtatatgtgt	gtgtatatat	21240
atatatacat	ataatgtaat	acagcaacca	ctaacaacac	tatacaaaaga	gataataacc	21300
aaaaacaatt	tagataaaatt	gaaatggaat	tctaaaaaat	attcaaatac	tctacaggaa	21360
gacaagacaa	aaagagaaaa	aaagaggagg	acaaactaaa	tttttttaaaa	acataaataa	21420
aatggtagac	ttaagcccta	acttatcaat	aattacataa	atgtaaataga	tctaattata	21480
tcaattaaaa	gacagagata	gcagagttaa	tttaaaaaaca	tagctataag	aaacctgtct	21540
tgggctgagt	gcagtgactc	acacttgtaa	tcccagcact	tcgggaggcc	aaggcgggtg	21600
gatcacctga	ggtcaggagt	tccagaccag	cctggacaac	atggtaatac	cccatctcta	21660
ctaaaaatac	aaaaaaatta	gccaggcatg	gtggcacacg	cctgtagtcc	caactactca	21720
ggaggctgcg	acacaagaac	tgcttgaacc	cgggcagcag	aggttagcagt	gggccaagat	21780
tgcgccactc	cagcctgaac	gacagagtga	gactccacct	cagttgaaaa	acaaaaaaga	21840
aacctgcttt	acatatgttg	acatatgttg	gttgaaatta	aaagaataaa	atatactatg	21900
aaaacattaa	tcaaaagaaa	ggagtggcta	tattaataac	ataaaataga	cttcagagaa	21960
aagaaaattt	caagagacag	gaataaaaagg	atcaagaaaa	gatcctgaaa	gaaaagcagg	22020
caaatcaatc	attctgtctg	gagattcaac	accctctctt	aacaactgat	agaacaacta	22080
gacaaaaaaa	tcagcatgga	ggttgagaaga	acttaacacc	actgaacaac	aggatctaatt	22140
agacattttac	ggaacactct	acccaacaat	agcaaaataa	acattctttt	caagtattca	22200
ctgaacatat	ccttagaccc	taccctgggc	cataaaacaa	agctcactag	tgattgccga	22260
aggcttggtg	ggacagtggg	agagctgcat	ggggaggagg	aaggtgacag	ttaaagagtg	22320
taggattttct	ttttgggata	atgaaaatgt	tccaaaattg	attgtgggtga	tggtggcgca	22380
actctacaaa	tataaaaaag	gccattgaat	tgtacgtttt	aagtgggtga	aacatatggt	22440
atgtggatta	tatctaacgc	tttttaaaaa	cttaacacat	ttcaagaagt	agaagtcata	22500
cagagtgtgc	tctactggaa	tcaaactaga	aagaggtaac	tggaggataa	cgagaaaagc	22560
ctccaaatac	ttgaaaactg	gacagcacat	ttctaaaatc	atccgtgggt	caaagatatt	22620
catttctgat	attcattttt	attgtttta	gtatttttaa	aaattttctt	agggaaataa	22680
actgactaaa	aatgaatatg	gctgggtgcg	gtggctcacg	cctgtgatcc	cagcattttg	22740
ggaggccgag	gctgggtgat	cacaagatca	ggagttcgag	accagcctgg	ccaagatggt	22800
gaaaccccg	ctcaactaaa	aaactacaaa	aagtagccaa	gcgcagtggc	gggagcctgt	22860
ggtcccagct	acttggggagg	ctgaggtagg	agaatcgctt	gaacacaggc	agcagagggt	22920
gcagtgaagg	aagattgtgc	cactgcacgc	cagcctgggc	gacagagact	gcctcaaaaa	22980
aaaaaaaaaa	aaaaagataa	tcaaaaattg	tgggacatag	ttaaagcaat	gctgagaggg	23040
aaattttata	cactaaatgt	ttacattaga	aaagagaaaa	agtttcaaat	caatagtctc	23100
cactcccatc	tcaagaacac	agaagatgaa	gagcaaaata	aacccaaagc	aagcaaaaaga	23160
aagaaaatat	aaaaataaat	cagtataaat	gaaaacagaa	acacaataaa	gaaaatcagt	23220
gaaacaaagt	actgattctt	cgaaagatta	ataaaattga	caaaccctca	gcaaggctaa	23280
caaacaaaaa	agaaagaaag	cacgatttac	cagttattag	aatgaaagca	taattagaaa	23340
caactctaca	cattataaat	ttgacaatgt	agatgaaatg	gactaattac	tgaaaaaaca	23400
caaattacca	caactcacc	aatatgaaat	agataattgg	gatagcctga	taactactga	23460
gaaaattgaa	tttgtaattt	taacactctt	aaaacagaaa	cattaaactt	aatattttat	23520
aatatttaga	taaggtaatt	atacccttcc	ttacaataa	aaaacgacaa	attattttgc	23580
agctaaagag	atgtatgtac	tgtgaaaaat	atcttcagaa	aaatagaact	ttgtttgaag	23640
aataaggatt	taaaaaatgt	ttttaactct	caagaagcaa	atatctgggc	ccagatgggt	23700
tcactgaaga	attctaccaa	atgtttaatg	aagaattacc	accaactcta	catagcatct	23760
ttgagaaaac	tgaagagaag	ggaacatctc	ccagttcatt	ttatgaagtg	ggtgttactc	23820
tgatactaga	actgtataag	gacagctact	cttgacacac	tgcttatggg	tagctctgct	23880
ctgcaggaac	agtcagaaaa	aaaaaaaaaa	gaagcactgg	acaagggcag	tataaaaaaa	23940
gaaaactggg	ccaggtgcag	tggctcacac	ctgtaatctc	agcactttgg	gaggctgacg	24000
ctgggtgatc	acctgagggt	aggagtttga	gactagcctg	gccaacatgg	taaaaccctg	24060
tctctactaa	aatacaaaaa	ttagccaggc	agggtgggtg	ggaaaaataa	aaggaaaaaa	24120
aaacaaaaat	aaactgcaga	ccaatatcct	tcatgagtat	agacacaaaa	ctccttaaac	24180
tccttaacaa	aatattagca	agtagaagca	atatataaaa	ataattatac	accatgatca	24240
agtgggactt	attccagaaa	cgcaagtctg	gttcaacatt	tgaaaacaag	gtaaccctct	24300
atatgaacgt	actaaagagg	aaaactacat	aatcacatca	atcaatgcag	aaaaaagcat	24360
ttgccaaaaa	ccaatatcca	ttcatgatac	tctaataaga	aaaataagaa	taaaggggaa	24420
attccttgac	ttgataaagc	ttacaaaaga	ctacaaaagc	ttacagctaa	cctatactta	24480
atgggtgaaa	actaaatgct	ttccccctacg	atcaggaaca	aagcaaggat	gttcactctc	24540
attgctctta	tttaacatag	ccctgaagtt	ctaacttggt	caaaacgata	agaaagggaa	24600
atgaaagacc	tgcagattgg	caaagaagaa	ataaaactgt	tcctgtttgc	agatgacatg	24660
attgtctcat	agaaaatgta	aagcaactag	gggtaggggg	gcagtggaga	cacgctggtc	24720

aaaggatacc	aaatttcagt	taggaggagt	aagttcaaga	tacctattgc	acaacatggt	24780
aactatactt	aatatattgt	attcttga	atactaaaag	agtgggtgtt	aagcgttctc	24840
accacaaaaa	tgataactat	gtgaagta	gcatacgtta	attagcacia	cgtatattac	24900
tccaaaacat	catgttgtac	atgataaata	cacacaat	tatctgtcag	tttaaaaaa	24960
catgattttg	gccaggcaca	gtggctcata	cctgtaatcc	cagcatttta	ggaggctgag	25020
gcgagcagaa	aaacttgagg	cgggagtttg	agaccagaat	ggtcaacata	gtgaaatccc	25080
gtctccacta	ataatacaaa	aattagcagg	atgtgggtggc	gtgcacctgt	agacccagct	25140
acttggggagg	ctgaggcacg	agaattgctt	gaacaaggga	ggcagagggt	gcagtgagct	25200
gggtgccact	gcattccagc	ctggtgacag	agtgcagactc	catctcaaaa	aaaataaaat	25260
aaagcatgac	ttttcttaaa	tgcaaaagcag	ccaagcgcag	tgggtcatgc	ctgtaatccc	25320
accactttgg	gaggccgagg	caggcagatc	acaaggtcag	gagtttgaga	ccagcctgac	25380
caacatggtg	aaaccccatc	tctactaaaa	aatatataaa	ttagccaggc	atgtgtagtc	25440
tcagctactc	aggaggctga	ggcaggagaa	tcacttgaac	ccggaggcag	agggtgcagt	25500
gttgagccac	cgcactccag	cctgggtgag	agaacgagac	tccgtctcaa	aaaaaaaaag	25560
caaaaataac	taatttttaa	aacactaaaa	ctactaagtg	aattcagtaa	gtcttttagga	25620
ttcaggatat	atgatgaaca	tacaaaaatc	aattgagctg	gacaaaggag	gattgtttta	25680
ggtcagtagt	ttgaggctgt	aatgcacaat	gattgtgcct	gtgaatagct	gctgtgctcc	25740
agcctgagca	gcataatgag	accacatctc	tatttataaa	aaaaaaaaat	gtatctctat	25800
gtactagcaa	taagcacatg	ggtactaaaa	ttaaaaacat	aataaatact	gttttttaatt	25860
gcttgaaaaa	aatgaaatc	ttacatatata	atctaaacaa	atgtgcagga	ctgtgtgct	25920
gaaaaactaca	aaacgctgat	aaaagaaatc	aaagaagact	taaatagcgt	gaaatatacc	25980
atgctttatag	gttggaatac	ttaatatagt	aaagatgcca	attttatcca	aattattaca	26040
caggataaca	ttattactac	caaaatccca	gaaaaat	acatagatat	agacaagatc	26100
atacaaaaaa	gtatacggaa	atatgcaaa	gaactagagt	agctaaaaa	aatttgaaaa	26160
agaaaaataa	agtgggaaga	atcagcttat	ccagtttcaa	gacttacata	gctacagtta	26220
tcaagactgt	gatattgaca	gagggacagc	tatagatcaa	tgcaaccaa	tagagaacta	26280
agaaagaagc	acacacaaat	atgcccaaat	gatttctgac	aaagggtgta	aaacacttca	26340
acgggggaag	atatgtctct	cattaaaggg	tgtagagtca	ttgcacatct	ataggcaaaa	26400
agatgaacct	gaacctcaca	ccctacagaa	aaattaaact	aaaatgactc	aaggactaaa	26460
cataagatat	acatctataa	aacatttaga	aaaaggccac	gcacgggtggc	tcacgctcgt	26520
aatcccagca	ctttgggagg	ccaaggcagg	tggatcacct	aaaggtcagga	gtttgagacc	26580
agccggatca	acatggagaa	gccccatctc	tactaaaaat	acaaaattag	ctggacgtgg	26640
tggcacatgc	ctgtaatccc	agctacttgg	gaggctgagg	catgagaatc	gcttgaaccc	26700
gggggggcaga	ggttgcggtg	agccaagatc	acaccattgc	actccagcct	gggcacaacg	26760
agcaaaaactc	caactcaaaa	aaaaaaaaaa	aaaggaaaaa	tagaaaaatc	ttgggatgta	26820
aggcgaggta	aagaattctt	acacttgatg	ccaaactaag	atctataagg	ccagtcgtgg	26880
tgggtcatgc	ctgtaattcc	agcactttgg	tcaactagat	gaaagggtata	tgggaattca	26940
ctgtattatt	ctttcaactt	ttctgtaggt	ttgacatttt	tttagtaaaa	aattggggga	27000
aagacctgac	gcagtggctc	acacctgtaa	tccagcact	ttgggaggcc	ggggcaggtg	27060
gatcacacgg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaaccc	cgtctctacc	27120
aaaaatataa	aaaattagcc	gggtgtcatg	gtgcatgcct	gtaatcccag	ctactgagga	27180
ggctgaggca	ggagaatcac	ttgaacctgg	gaggtggaag	ttgcagtgag	ccgagattgt	27240
gccactgcac	tccagccttg	ggtgacagag	cgagactcgg	tctcaaaaga	aaaaaaaaaa	27300
aaagaataatc	aaacgcttat	tttagaaact	atttaaagga	gccagaattt	aattgtatta	27360
gtatttagag	caatttttat	gtccatggc	attgttaaat	agagcaacca	gctaacaatt	27420
agtggagtgc	aacagctggt	aaatttgcta	actgtttagg	aagagagccc	tatcaatctc	27480
actgtcattt	gaggctgaca	ataagcacac	ccaaagctgt	acctccttga	ggagcaacat	27540
aaggggttta	accctgttag	ggtgttaagt	gtttggatat	ggtttgtttg	gccccaccga	27600
gtctcatggt	gaaatttggt	ccccagtact	ggaggtgggg	ccttatttga	agggtgctga	27660
gtcatggggg	tggcatatcc	ctcctgaatg	gtttggtgcc	attcttgcag	gaatgagtga	27720
gttcttactc	ttagttccca	caacaactgg	ttattaaaaa	cagcctggca	ctttccccc	27780
tctctcgctt	cctctctcac	catgtgatct	cactgggtcc	ccttcccttt	atgcaatgag	27840
tggaaagcagc	ctgaagccct	cgccagaagc	agatagtgat	gccaatgctc	ttgtacagcc	27900
tacaaaacca	tgagcccaat	aaaccttttt	tctttataaa	ttatccagcc	tcagggtattc	27960
ctttatagca	agacaaatga	accaagacag	ggggaaatca	acttcattaa	aataatctat	28020
gcagtcacta	aacaaataag	aacaagaggc	tccagaagtg	ggaagccaat	accagagatt	28080
cctacaatac	agtatctgaa	aagtccagtt	tccaaccaa	aaatatatat	atacaggccg	28140
gacatgggtg	cttatgtctg	taatcccagc	actttgggat	gctgaggcgg	gcagatcacc	28200
ctaggtcagg	agttcgagac	cagcctggcc	aatatggcaa	aaccccgctc	ctactaaaaa	28260
tacaaaaatt	agccaggcat	ggtggtggat	gcctgtaatc	ccagctactc	gggaggctga	28320
ggcaggggaat	cacttgaacc	caggaggcag	agggtgcagt	gagccgagat	cacgccactg	28380
aactccagcc	tgggcaacaa	agtgcagactc	cacctcaaaa	aaaaaaaaaa	tatacatata	28440
tatatgtgtg	tgtgtgtgtg	tgcgcgcgtg	tgtgtatata	cacatacaca	tatatacata	28500
tatacagaca	tatgaagcat	ggggtatcac	gaaaagaaac	aagggaagtat	gaaccatact	28560
ttctgtggtt	atgataggat	ggggatcac	gggggaagta	gacaaggga	actgcaagtg	28620
agagcaaaaa	gttatcagat	ttaacagaaa	aagacttttg	agtaaccatt	ataaatatgt	28680
ccacagaatt	aaagaaaagc	gtgattaaaa	aaggaaagga	aagtatcata	acaatattac	28740

tccaaataga	gaatatcaat	aaaggcatag	aaattataaa	atataatata	atggaaattc	28800
cggagttgaa	aggtagaata	actaaaattt	aaaattcact	agagaaggtt	caacactata	28860
tttgaactgg	cagaagaaaa	atttagtgag	acaaatatac	ttcaatagac	attattcaaa	28920
tgaaaaataa	aaagaaaaaa	gaatgaagaa	aaataaacag	aatctcagca	aaatgtggca	28980
caccattaat	cacattaaca	tatgcatact	gagagtaccg	gaagcagatg	agaaagagga	29040
agaaaaaata	ttcaaatgat	ggccagtaac	ttcctagatt	tttgttttaa	agcaataacc	29100
tatacaatca	agaaactcaa	tgaattccaa	gtaggataaa	tacaaaaaga	accacaaaca	29160
gatacaccat	ggtaaaaaatg	ctgtaagtca	aaaacagaga	aaatattgaa	agcagctaga	29220
ggaaaaactta	taagagaacc	tcacttacaa	aagaacatca	cttataaaaag	aaccacaata	29280
atagaaacag	ttgacctctc	atcagaaaca	atgaatgata	acatatattga	agtgtctcaa	29340
gaaaaaaaat	aaagattcct	atatacgaca	aagctgtctt	tcaaaaatat	acatccaaaa	29400
ggattgaaac	caggggtcttg	aagagttatt	tgtacatcca	tgttcatagc	agcattattc	29460
acaatagcca	aaaggtagaa	gcaacccaag	ggtccatcga	caaataaata	aaatgtggta	29520
tatgtatata	caatggaatt	tattcagtat	taaaaaggaa	tgaaattctg	acacatgcta	29580
caacatggct	aaaccttgag	aacactatgc	taagtgaatt	aagccagcca	caaaaggaca	29640
aataccatat	tacttcactt	gtatgaaata	cctagggtag	tcaaattcag	agatagaaag	29700
taaaacagtg	gttgccaagg	gctgagggag	ggagtaacgt	ggagttattg	ttgaatgggt	29760
acagaatttc	agttttgcaa	gataaaaaaga	gttctggaga	cagatggtgg	tgaggggtgg	29820
acaacaatac	aaatatactt	tatactactg	aacagtatac	ttaaaaatga	ttaacatggg	29880
gaaaccccg	ctctactaaa	aatacaaaaa	aattagctgg	gtgtggtggc	gggcacctgt	29940
aatcccagct	acttgggagg	ctgaggcagc	agaattgtct	gaaaccagaa	ggcggagggt	30000
gcagtgaagt	gagattgctc	caccgcactc	tagcctgggc	aataagagca	aaactccgtc	30060
tcaaaaaata	aaaaataaaa	aaaattttaa	aatgattaag	caggaggcca	ggcacggtgg	30120
ctcacacct	taatgccagc	actttgggag	gccgaggcag	gcgatcactt	gagaccagga	30180
gtttgagacc	agcctggcca	acatggcaca	accctgtctc	tgctaaaaat	acaaaaatta	30240
gccaggcatg	gtggcatata	cttataatcc	cagctactgg	tgagactgag	acacgagaat	30300
tgcttgaacc	caggaggcag	agattgcagt	gagtcgagat	cgcgccactg	aattccagcc	30360
tgggcgacag	agcaagattc	tgtctcgaaa	aaacaaaaac	aaaaacaaaa	agcaaaacca	30420
aaaaataatt	aagcaggaaa	cgagattgct	gctgaggagg	agaaagatgt	gcaggaccaa	30480
ggctcatgag	agcacaaaa	ttttcaaaaa	atgtttaatg	attaaaatgg	taaattttat	30540
atgtatctta	ccacaaaaaa	aagggtctgg	gggcaggaaa	tgaagggtgaa	ataaagacat	30600
cccagagaaa	caaaagtaga	gaatttggtg	ccttagaaga	aacaccacag	gaagtcttct	30660
aggctgaaaa	caagtgaacc	cagagggtaa	tctgaattct	cacagaaaat	tgaagcatag	30720
cagtaaaagg	tattctgtaa	ctatgacact	aacaatgcac	attttttcct	ttcttctctg	30780
aaatgattta	aaaagcaatt	gcataaaaata	ttatatataa	agcctattgt	tgaacctata	30840
acatatatag	aaatatactt	gtaatatatt	tgcaataaac	tgacacaaaag	agagttggaa	30900
caaagctggt	actaggctaa	agaaattact	acagatagta	aagtaatata	acagggaact	30960
taaaaataaa	atttttaaaa	atttaaaaat	aataattaca	acaataatat	ggttgggttt	31020
gtaatatata	tagacataat	acaaaaatac	cacaaaaagg	gaagaagaca	atagaactac	31080
ataggaataa	cattttggta	tctaactaga	attaaaattat	aaatatgaag	tatatctctg	31140
taagttaaga	cacacatggt	aaaccctaga	tactaaaaag	taactcacat	aaatacagta	31200
aaaaaataaa	taaaataatt	aaaatgtttg	tattagtttc	ctcagggtac	agtaacaaac	31260
taccacaaat	tgagtggctt	aacacaactt	aaatgtattt	tctcccagtt	ctggaggcta	31320
aacacctgca	gtacaggggc	gtacaggggc	atgctccctt	tgaaggctct	aggaaagaat	31380
cctcccttgt	ctcttcagc	ttccagtggt	tctcagtaac	cctaagtgct	ccttggcttg	31440
tagctatata	attcctagca	accagaaaaga	agaaaataat	aaagattatg	gcaaaaaata	31500
atgaaatcaa	aaggagaaaa	atgggaaaaa	ataaataaaa	ccaaaagcta	gttctttgaa	31560
aagatcaacc	aagttaacaa	accttttaac	tagactgaca	aaaaggagggt	aagactcaaa	31620
ttactagaat	cagaaataaa	agaggggaca	ttactaatga	gggattagaa	aagaatacta	31680
cgaacaaatg	tgtgccaaca	aattagaaaa	ccttagatgaa	atggacagggt	tcctaggaca	31740
acatcaacta	ccaaaattta	ctcaagaaga	aagagacaat	ttgaatgagc	tataacaagg	31800
gaagagactg	aattgacaac	caagaaaacta	tccacaaaga	aaatcccagg	cccagaagat	31860
ttcactgtga	aattctttca	aacttataaa	tataaattaa	catcagttct	tcacaaactc	31920
ctccaaaaaa	aagaacagat	ctctattttac	aggcgatagc	atcttttagaa	aatcctaagg	31980
gaactactaa	gacactatga	taactgataa	acaagttcag	caaggctgca	ggatagaaaa	32040
ccaatatata	aaaatctatt	atatttctat	acacttgacg	tgaacaaccc	aaaaatgaga	32100
ttaagaaaat	aattcaattt	acaataacat	caaaaagaat	aaaaacactc	aaaaataaat	32160
ttattcaagt	aagtgcaaaa	cttatactct	agaagctaca	aaacactggt	aaaagaaatt	32220
aaaggtttac	ataaatgaaa	aactatccca	tgttcatgga	tcaaaagact	tattactggc	32280
aatgctctcc	aaattgatct	ataaattcaa	caaaatcctt	atcaaaatcc	cagatgaggc	32340
tgggggtggc	ggttcatgcc	tgtaatccca	gcactttggg	aggctgaggc	acgcagatta	32400
cctgaggtcg	ggagctcgag	atcagcctga	ccaacatgga	gaaaccctat	ctcttctaaa	32460
aatacaaaaat	tagtcaggcg	tgggtggcaca	tgcctataat	cccagctact	ccggaagctg	32520
aggcaggaga	atcgcttgaa	cccaggaggc	agagggtgca	gtgagccaag	atcgtgcat	32580
tgcactccag	cctgggcaac	aagagcaaaa	ttccatctca	aaaaaaaaaa	aaaaaaatc	32640
ccagatgact	tactgttgga	aattgaaaaag	attattctaa	aattcacatg	gaattgcaag	32700
accttgagaa	tagccaaaac	aaacttgaaa	aacacgaaca	aaatatagga	tgactcactt	32760

gccaatgtgca	aatgttacga	cacagcaaca	gtaatcaaga	ctgtgtggtgta	ctggcaaaaag	32820
acacatacat	acatacatat	caatggaata	taattgagag	tacagaaaaca	agcctaaca	32880
tctatggttaa	gtgcttttct	atTTTTTTct	TTTTTTTTtt	cttttttgta	gagatagaat	32940
ctcaccatgt	tgcccaggct	ggtcttcaac	ttctgggctc	aagcaatcct	cccactgtgg	33000
cctcccaaag	tgctgggata	actggcatga	gccaccacat	ccagcccaga	tgattttcaa	33060
aaaagtcaac	aagaccattc	ttttcaacaa	ataggtctgg	gatgatcaga	tagtcacatg	33120
aaaaaaaaaa	tgaagttgga	ccctccatca	cactaaagtg	ctgcgattat	aggcatcagc	33180
caccacatcc	agcccaaagt	atTTTTcaaaa	aggccaacaa	gaccattctt	ttcaacaaat	33240
aggtctggga	taatcagata	gtcacatgaa	aaaaaaaaatg	aagttggacc	ctccatcaca	33300
ccatatgcaa	aaattaattc	aaaaatgaat	tgatgactta	aacgtaagag	ttacgactgt	33360
aaaactctta	gaaggaaaaca	tacgggtaaa	tcttaaagac	gttaggtttg	acaaagaatt	33420
cttagacatg	acaccaaag	catgaccaac	taaggtaaaa	tagggtaaat	tgtacctacc	33480
aaaatgaaaa	acctttgtgc	tggaaggac	accatcaaga	aatggaaagc	caaaatagcc	33540
aaggcaatat	taagcaaaaa	gaacaaagct	ggaggcatca	tactacctga	cttcaaagca	33600
acagtaacca	aaacagcatg	gtactagtag	aaaaacagac	acatagacca	atggaacaga	33660
ataaagaacc	caaaaataaa	tccacatatt	tatagtcac	tgatttttga	caatgacacc	33720
ccttcaataa	atgatactag	gaaaactgga	tatcgatatg	cagaagaata	aaactagacc	33780
cctatctctc	accatataga	aaaatcaact	cagactgaat	taaagacttg	aatgtaagac	33840
ccaaaactat	aaaactactg	gtagaaaaca	taaggaaaaa	cgcttcagga	cattggtcca	33900
ggcaaagatc	ttatggctaa	aacctcaaaa	acacaggcaa	caaaaacaaa	aatggaaaaa	33960
tagcacttta	ttaaactaaa	aagctcctgc	acagcaaaag	aaacaacaga	atgaaaagac	34020
aacctgtaga	atgggagaaa	atatttgcaa	actatccatc	catcaaggga	ctagtatcca	34080
gaacacacaa	gtgactaaaa	caactcaaca	gcaaaaaagc	aaataatctg	gttttttatat	34140
gggcaaaaag	tctgaataaa	cattctcaaa	ggaagacata	caaatgtcac	tatcattctg	34200
ccagtaccac	actgtcttga	ttactgttta	gtgtataaat	ttttaaatg	ggaagtgtga	34260
gtcatcctac	actttgttct	tgtttttcaa	gtttgttttg	gctattctgg	gagccttgca	34320
agtataaaat	agccaacaag	tatgaaaaaa	tgctcaccat	cactaatcat	cagagaaata	34380
aaaatcaaga	ccactatgag	atatcctctc	actccagtta	gaatggctac	tatcaaaaag	34440
acaaaatata	atggatgctg	gcaaagattt	ggagaaaagg	gaactcctat	acactgtggg	34500
tagggatgca	aattggtaat	ggccattatg	gaaaataata	ctgaggtttt	tcaaaaaact	34560
gaaaatagaa	ctaccatatg	atccagcaac	cctactactg	ggtattttatc	caaaggaaag	34620
aagtcagtat	actgaagaaa	tatatgcact	ctcatgttaa	ttgcaacact	gttcacaaca	34680
gccaagacag	ggaataaatc	taaatgtgca	tcaacagatg	aatggataaa	gaaaatgtgg	34740
catatacat	caatagaata	ctattcagcc	attaaagaag	aatgaaatcc	tgtcatccca	34800
gcaacatgga	tgaacctgga	ggacattata	tatacactta	taagtaaaagc	acaaaaagat	34860
aaacagtaca	tgttctcact	cagacatggg	tgctaaaaag	aaaatggggg	cacagaatta	34920
gaaggggagg	cttgggaaaa	gttaatggat	aaaaattttac	agctatgtaa	gaagaataag	34980
ttttagtgtt	ctatagaact	gtagggcgag	tatagttacc	aataaacttat	tgtacatggt	35040
caaaaagcta	gaagagattt	tggatgttcc	cagcacaag	gaatgataaa	tgtttgtgat	35100
gatggatatac	tgaattaccc	tgattcaatc	attcacacat	gcatacatgt	atcaaattat	35160
cactctgtac	ctcataaata	tgtataatta	ttacgtcaac	aaaaaaagga	aaaaaaagaa	35220
aattaagaca	acccacataa	tggagaagaat	aaaatatctg	caaatttatat	atatctgata	35280
aatattttaa	atTTtataata	tataaagaac	tcctacaact	caagaacaac	aacaaaacaa	35340
cccaattcaa	aaatgggttaa	aagccttgaa	tatacactta	tctaaagact	atatacaatt	35400
ggccaataaa	gacacgaaaa	gatgctcaac	atcactagtc	atcagggaaa	tataaatcaa	35460
aaccacaatg	tagaatgtag	acaccacttc	atatgcacta	ggatggctag	aataaaaagg	35520
taataacaaa	tgttggtaag	gatgtgaaaa	aatcagaaac	ctcattcgct	gctgttggga	35580
atgtaaagtg	atgcagccac	tttggaaaaa	agtctggcag	ctcctcaaat	tattaaatac	35640
agagttaccg	tatgacccag	gaatattcct	cctgggtcta	taacccaaaa	aatgaaaaca	35700
tatatccaca	taaaaacttg	tacatgggca	tttatagcaa	cattattcat	aacagcaaag	35760
gtggtaagaa	cccatatgcc	catcatctga	tgaacaggta	aataacatgc	ggattatcc	35820
atacactaga	atattatctg	cccatacaag	gagtgacatc	cagctacatg	ctacaaggat	35880
gaatctcggg	aaccttatgc	taagtgaag	aagccagtc	caaatgacca	cagattatga	35940
ttccatgcat	cggaaatgac	cagaatagg	aaatctatag	agacagaaag	tagattagt	36000
gttgggtggg	gctgggagga	caggtagtac	actactttcc	cagaactact	ggaacaaagt	36060
accacaaact	ggggagctta	aacatagaaa	ttgattttcct	cacagttctg	gagactagga	36120
ctctgagatc	aagggtgcag	cagagctggt	tctttctgag	ggccctgagg	caaggctctg	36180
tcccagcct	ctctccttg	ctggcaggtg	gccatcttct	ccctgcgtct	tcacatctc	36240
ttttctctgt	gtgtgcccac	gtccaaattt	tgattggctc	attctgggtc	atggccaatt	36300
gctatgcaca	aagtgaagtc	tacttccaaa	agaagggaag	agggaaacact	gactaggcta	36360
aacttatagt	cattttaatg	tccgcttttc	ctatgagatt	gtgaacacac	agaagtagg	36420
tttttatcta	cattgtgcaa	agtttaataa	gaaaaataga	attcaagaga	agcagttcaa	36480
tagcaggaat	ttaatatggg	aactaattac	aaggttttag	gcaggactaa	aaagccagtt	36540
gggatgggtga	gccaaaccag	agattagcaa	cagtgggacc	ccatctacct	accacccatg	36600
aagctggaag	gataaaggag	gggctattat	cagagtcac	aagccagtg	cagagtcctt	36660
ggctggagct	gggaccaccc	tagagacact	gtgcaaagca	gaaaacaagg	gggaaaaacc	36720
ctgacttctc	ccttctctcc	acctttcaat	ctcccactag	tgcttctctac	tagccatact	36780

tggccagaga	cagtgacaag	gaacactgca	aatgaagtt	tgtaggaatc	atctccctct	36840
gagacagaga	aatatggaag	ggtagaaaat	gaatcagagg	ataaagagaa	aaaaccctga	36900
gtactatctt	atztatcttt	gtatctccag	tgcctaattct	gtctctcaaa	aaaggaaagc	36960
aattgagaga	aactgaaaac	tccaattgaa	atgaaagaat	ggagaattac	tggactagaa	37020
gagaagagaa	aaatttattc	cgcataagat	aaacaagaat	ggattcacaa	aggacgtgat	37080
gaatgaaaag	ctataatcag	caaagatttg	ccagagaaat	taaaaagtgg	taaactcagc	37140
cacgctgtac	aacctgaagg	cacaatgcat	gaaaacgttt	caagaaatga	caagatttga	37200
agtcaaattc	taagtgtctt	tccagaatct	ctcaagacga	ttatatagct	accccatctt	37260
attaaataaa	atggaaactt	actaaacttt	ccccttgtat	taaactaaca	tatgtcctaa	37320
tagcaaacga	ttctggaatt	cctagagtaa	aatatatttc	gtcaaagtgt	attgtctctt	37380
taatattctg	ctgacctcct	tttgctattt	aggatatttg	tatacacatc	acacgtaaatt	37440
ttgggtctata	gtttacatct	acgggcttat	actgttcttt	ttttcatttt	tttaaaattt	37500
ccaaccccca	gtatccatat	actgctctct	atcagggtta	ttttaacttt	gtaaaatcag	37560
ctgagatgct	ttccatgttt	ttttttttta	ttttctgcca	catttgaaata	gcataggagt	37620
taccaccattc	aaacctggat	tatttaagca	ttcacgattc	cacgtgtgga	ttttttattc	37680
agagtctttc	ttgtcattcc	tgctatcagc	acagaaacca	atctcagctt	tccagctata	37740
ctctcacccc	atgggaattg	cagatgaagt	tcaaaaggac	ctttgcatta	tcctgcctcg	37800
ccctcttccc	ccttcattta	gacatcacct	tcttctagaa	cgtcttacct	gacatgccct	37860
gctcccaacc	cctgctgccc	aattgtgtgc	tctcccgtgt	cctggcctgc	catcctcttt	37920
agtaattgccc	tgctccctca	tctgtctccc	caccagaca	ttaagctgaa	tagactggat	37980
ttgtgtcttg	tccatcacta	taatctcagc	accttagtacc	tagtaggtac	ttaccatgta	38040
ttcattagca	aaatgttatg	tataaccttg	caccttaaaa	acaagagaa	gaagacaaaa	38100
ttaaagtctta	agactatggt	ttagaacatg	gatcagaaac	tacagtctgc	agcccaaatc	38160
cagaccaaat	gaagagacca	tggtcattta	catacaacct	atagcagctt	tcacactaca	38220
ggagcagagc	taagtagttc	caagggaaca	cacggccctg	caaagcctaa	aatatttact	38280
ctatagctct	tcacagaaaa	agttttcaga	tccctcgttt	agaactcttg	ttcatatgca	38340
atttcaactaa	accatagttt	tttggttttg	tttggttttt	tttggaacaaa	aggaatgagc	38400
cgatccagaa	aagggttgaaa	agaatgaatc	attactgctg	aaagaatgtg	cacacagtcc	38460
gtcagtatcc	tgctgccatg	ctgacaccca	tccaatagtg	tcagtagatg	cagcagctac	38520
tactgtgttc	tgtaacccga	gtccacccac	tccataacca	tgtccaagca	atcttgggaa	38580
catcatcacc	atgcttggtt	atccttaagg	tattgcctca	catacagcag	tggctggtca	38640
taaagtcaaa	tgacactagt	ggccaggagg	tcaagagaat	gagtgaggac	aggtgggtag	38700
gcagcccagg	ccctagcaac	agcaggagct	caccctcag	tcactctagc	caggactgaa	38760
atacttttca	ccctttcaag	agagactagg	aatctggatt	tttatgtgaa	atatcttgat	38820
tactaaatgt	catgtcaaaa	ggtaaaaacta	gttaaaaacta	agtaagttca	tggggcagat	38880
tgactattca	ggttatagaa	ttaaggattc	ttatccaaca	cagataccaa	ccaaaaagct	38940
gacgtataac	atattaggag	aaactatgtg	cactgtcgaa	acatcaacaa	gggggctaag	39000
tctaaaatag	tctatatattg	attccagttg	aaacatgggg	aaaggacatg	aacaggcaac	39060
ttatgtcaat	ggaaactcaa	aaagataaca	agcatatata	aaagcattct	caaattcagt	39120
agtaaacaga	cagatgcaaa	taaaagagg	gaaactgctg	ccgggcacag	tggctcacac	39180
ctgtaatccc	agcacttttg	gaggccgagg	cgggcgatc	atgaagtcag	gagatcgaga	39240
ccatcctggc	taacatgggtg	aaaccccgtc	tctactgaaa	acacaaaaaa	ttagccaggc	39300
gtagtgggtg	gcaccagtag	tcccagctac	tcaggagggt	gaggcaggag	aatggcatga	39360
acccaggagg	cggagattgc	agtgagccga	gacctatcca	ctgcactcca	gcctggcgca	39420
ctgagtgaaa	tcccatctca	aaaaatataa	taataattat	aattataata	ataataaata	39480
gtaaataaat	aaaaagagag	agactgctaa	agtctagaaa	gttgaatgat	gccaagcgca	39540
tgcaaagatc	agggccttgg	gatggccggg	tgcatgggt	cacgcctgta	atccccacc	39600
tttgggaggg	caaggcgggg	ggatcatgag	gtcaagagat	caagaccatc	ctggccgaca	39660
cagtgaaaac	cggtctctac	taaaagtaca	aaaaaatata	tatatatata	tatattatta	39720
tattatatat	atatatatca	gagccttggg	aatccttgtg	tgctgctggg	gaaggtagtg	39780
gtgcagccac	ccttgacagc	aatctggcag	tacttggtta	tattaagtat	aggcacacac	39840
cacgaccagg	cagtccctact	cctgggtcta	aatcccaaa	aattctcaca	caagtccata	39900
aggagacatg	tacgaggctc	attcagcatt	actgggagtg	ggaatcaacc	tgggtgtcca	39960
tctacaggag	acgagatgga	caaaaatgtg	tggtatttaa	gaccagaatc	accaagtaac	40020
agagatgggt	ggtgagtgac	aatcctaaga	tacagaataa	aggctagaac	atgatgccat	40080
tcagtgaat	taaaaataga	tgcacacaaa	gcagtatacg	cgtgaccctt	gaatagcaca	40140
ggtttgaact	gcctgtgtcc	acttacatgt	ggattttctt	ccacttctgc	tacccccaa	40200
acagcaagac	caacccctct	tcttcctcct	ccccctcagc	ctactcaaca	tgaagtgtac	40260
aaggatgaag	acttttatga	taatccaatt	ccaaggaact	aatgaaaagt	atattttctc	40320
ttccttatga	ttttctttat	ctctagctta	cattattcta	agaatatggt	acataataca	40380
catcacacgc	aaaataaatg	ttaattgact	gtttatatta	tgggtaaggc	ttccactcaa	40440
cagtaggctg	tcagtagtta	agttttggga	gtcaaaagtt	atacacagat	tttcaactgt	40500
gcaggcaatc	agttccctg	acccctcat	gtttcacggg	tcaactgtat	atacacaaaa	40560
gtattatatg	aacctcatta	gaatagctgt	ctatagggag	aagagaatga	gagtgaggata	40620
aaacggaatg	aacaaataaa	ccaacaaatg	cattaacaag	caaaacaaca	gaggggcttg	40680
catgggccag	tgatgataaa	gggctaagaa	tgagaatata	attaattcaa	ttcctcacac	40740
ctgaggtcta	aaaccaagga	aaggaggggc	caggcgtgga	ggctcacgcc	tgtaatccca	40800

gcactttggg	aggctgaggg	gggcgatca	caagattagg	agtttgagat	cagcctggcc	40860
aacacagtga	aagcccatct	ctacaaaaa	tacaagaatt	accaggtgt	ggtggcacat	40920
gcctgtagtt	agctactctg	gaggctgagg	caggagaatc	acttgaaccc	aggaggcgga	40980
ggttgccagg	agccgagatc	acaccattgc	actccagcct	gggtgacaga	gtaagactct	41040
gtctcaaaaa	aataaaaaaa	ataaaaaaa	agagaaaagg	aggaaaactag	atccaggctg	41100
actagataca	gccttttagag	ttagaaaaga	tgatttgaca	atctaagccc	acactcagat	41160
tgaatgaaat	tgaaaagcct	ttcaaactaa	aacattttaat	tacaccatct	gctgcagaca	41220
gaactcagac	aactcaaaca	ggtaatgtca	gcgtgggtgt	ttatatcacc	accctcaaca	41280
cagaataaaa	atcagctgca	tgtgaagcag	tgactagaat	gaagaaaagg	ctgcttctta	41340
cttctcttca	gtgggtcttt	cggaaaacat	taataggcac	cagctctatg	catgtcaccc	41400
tgaggggaga	catgggggat	ataactatga	cttactgttc	attcctcaag	gaattcccaa	41460
tcttgtggaa	gattatacac	aatgaggcaa	caaaaactat	ccaataaaac	cacggaaaag	41520
aagccagtga	caaagaagcc	agtgatgaaa	ggccctgtga	gcagagctga	tggccatttg	41580
gggaagaaaag	accaacatgg	atgggggtga	tcagggtggc	tccgtgggaa	agctggaaga	41640
gaagtggcag	atctctgagc	tggatgatgg	gccactacca	tctgtatatg	gctaattaaa	41700
gacctgtgtg	ggatttttta	ttcagctctt	tcgtgtcatt	cctgctatca	gcacagaacc	41760
caatctcaac	tttccagcta	tattgagcta	aacttctcac	ctcatggaat	ttgcagataa	41820
agttcaaaaag	gatccttgcc	ttttcaaaat	aattttgaat	ggttgagtag	tccctctgtg	41880
ctctctcact	gacaccctct	caaggctgct	gagcacgtgc	catgctatgg	ctttctccaa	41940
catcaggaaa	tgtttctccac	tcagtttcac	cttaatacaa	atgtgttctc	tcttcagaga	42000
aggcaaaaaa	atctgactgg	atctgactgg	gagaagtcac	ttctaggtaa	agtgtccatc	42060
tttttctgag	gaacacagga	ggaaaatctt	acagaaaaga	gttaacacag	caggcctaag	42120
actgcttttt	aaaataaata	aataaataaa	taaataaata	aataaataaa	taaataaata	42180
aataaatgaa	tgatagggtc	ttctgtattg	gccaggctag	tctcaaattc	ctggcttcaa	42240
gagatctctc	caccttggtc	tcccacagtg	ttgggattat	agacatgagc	cattgttctt	42300
ggccaagac	tggtattctt	aaaaagtctc	ataaaaagca	tggttaatac	ttggctggca	42360
cctgggaact	tagatttcag	aagggttccc	accatccaac	ctggaaagag	ggactcactg	42420
tgccataaatt	attgtgtggt	ttatgctgaa	ctcctgcttt	tcttcaggta	gcgtggaatg	42480
tggatgtgct	tgggcaaaag	gggcctgcat	gaccagcccc	caataaaaaa	cctgggtggt	42540
gggtctctag	tgagtttccc	tggtagacag	catttcacat	gcgttgtcac	agctccttcc	42600
tcggggagtt	aagcacatac	atcctgtgtg	actgcactgg	gagaggatgc	ttggaagctt	42660
gtgcctggct	tcctttggac	ttggcccat	gcacctttcc	ctttgctgat	tgtgctttgt	42720
atcctttcac	tgtaataaat	tacagccgtg	agtaaccacc	atgctgagtc	ttccaagtga	42780
accaccagat	ctgagcatgg	tcctgggggc	ccccaacaca	gaaataaatt	ataaaagacc	42840
aaggactggg	aatcgtggcc	catgccggtg	atctcagcgc	tttgggaggc	cgagtcagga	42900
ggaccagtta	agcccaaaaag	ttcaaagtta	cagtgcacta	tgactgcgcc	aatgcactct	42960
aacctgggag	acagagcaag	accctgtccc	caaaacaata	aactaaacac	atacttctgc	43020
cttccaagtg	tcttaaaatt	caatggaatg	gtagaacat	ttttaaaaac	ctaaatcaaa	43080
agaaacctgg	aaaacaagag	tgccgatggc	caactaaaat	gtctaggaaa	tttctgaaaa	43140
gtaaaaagta	ctcagaacca	gattacctga	gcaaaccata	gccaataaca	agcttgggag	43200
gaggctgtta	tgcagaagga	aatggtaaca	ggtttccagg	aacagacttg	taacagcaga	43260
tagaacagca	gaggtagaac	ctgacaaggt	gattacctgg	ggaactgcag	tctgaatgac	43320
caggactggt	ggacccttcc	cctcacatgg	aatacacacg	ccactcagca	gcacaccaca	43380
gctcttcaac	aatcagcaga	ggcacgctac	gcctagtaag	acaggaaaaa	aggaattctc	43440
aaacttcgaa	gatgaacaca	taaagaatca	ccaagttttt	attcagtatg	atgaaacagg	43500
gacactgaat	caacagaaca	caaaccacag	caaagataat	tactagagca	catagaagaa	43560
attattagat	attcttggga	agaccctaagg	ggacattata	aagagcaagc	agttgggatg	43620
tgacgatctt	tgtgatatac	caagaaataa	aaacacagga	tgaagaccag	atagagaata	43680
atgctactat	ttgtgcaaaa	aaggagaaat	ggagaatctg	attcatattt	gcttgtattt	43740
gcatgaagaa	actttggaag	gtacataagt	aactaacaac	aatggttacc	tacttgtaag	43800
gcgagagaag	taagaggaca	ggaatggtgg	gaacaccttt	tgtgtccgga	attggtgggt	43860
tcttgggtctg	acttggagaa	tgaagccgtg	gaccctcgcg	gtgagcgtaa	cagttctttaa	43920
aggcggtgtg	tctggagtgt	gttccttctg	atgtttggat	gtgttcggag	tttcttctct	43980
ctgggtgggtt	cgtagtctcg	ctgactcagg	agtgaagctg	cagaccttcg	cggcgagtgt	44040
tacagctctt	aaggggggcgc	atctagagtt	gttcgttctt	cctgggtgagt	tcgtgggtctc	44100
gctagcttca	ggagtgaagc	tgcagacctt	cgaggtgtgt	gttgacagctc	atatagacag	44160
tgcagaccaca	aagagtggagc	agtaataaga	acgcattcca	aacatcaaaa	ggacaaacct	44220
tcagcagcgc	ggaagtgcgac	cgcagcacgt	taccactctt	ggctcgggca	gcctcctttt	44280
attctcttat	ctggccacac	ccatatcctg	ctgattgggtc	cattttacag	agagccgact	44340
gctccatttt	acagagaacc	gattggtcca	tttttcagag	agctgatttg	tccattttga	44400
cagagtgcgt	attgggtgcgt	ttacaatccc	tgagctagac	acagggtgct	gactggtgta	44460
tttacaatcc	cttagctaga	cataaagggt	ctcaagctcc	caccagactc	aggagcccag	44520
cttgcttcc	ccagtggatc	cggcatcagt	gccacaggtg	gagctgctcg	ccagtcctcg	44580
gccctgcgcc	cgcactcctc	agccctctgg	tggtcgatgg	gactgggcgc	cgtggagcag	44640
ggggtggtgc	tgtcaggggag	gctcgggccc	cacaggagcc	caggaggtgg	gggtggctca	44700
ggcatggcgg	gccgcaggct	atgagcgtg	ccccgcaggg	aggcagctaa	ggcccagcga	44760
gaaatcgggc	acagcagctg	ctggcccagg	tgctaagccc	ctcactgect	ggggccgttg	44820

gggcccggctg	gccggccgct	cccagtgccg	ggcccgcgcaa	gcccacgccc	accgggaact	44880
cacgctggcc	cgcaagcacc	gcgtacagcc	cgggttcccg	cccgcgcctc	tccctccaca	44940
cctccctgca	aagctgaggg	agctggctcc	agccttgccc	agcccagaaa	ggggctccca	45000
cagtgcagcg	gtgggctgaa	gggtccctca	agcgcggcca	gagtgggcac	taaggctgag	45060
gaggcaccga	gagcgagcga	ggactgccag	cacgctgtca	cctctcactt	tcatttatgc	45120
ctttttaata	cagtctgggt	ttgaacactg	attatcttac	ctattttttt	tttttttttt	45180
tgagatggag	tcgctctctg	tcgcccagac	tggagtgcag	tggtgccatc	ctggctcact	45240
gcaagctccg	cctcccgggt	tcacaccatt	ctcctgcctc	aacctcctga	gtagctggga	45300
ctacaggcaa	tcgcccaccac	gcccagctaa	tttttttatt	tatttttttt	ttagtagaag	45360
cggagtttca	ccatgttagc	cagatggctc	caatctcctg	acctcgtgat	ccatccgcct	45420
cggcctccca	aagtgcctgg	attacagacg	tgagccactg	cgccctgcct	atcttaccta	45480
tttcaaaagt	taaactttaa	gaagtagaaa	cccgtggcca	ggcgtgggtg	ctcacgcctg	45540
taaccccagc	actttgggag	gccgagggcg	gcggtacacg	aggtcaggag	atcgagatca	45600
tcctgggttaa	cacagtgaaa	ccccgtcgct	actaaaaata	caaaaaatta	gccgggctgc	45660
gtgggtgggca	ccggcagctc	tcgctactgg	ggaggctgag	gcaggagaat	ggcgtgaacc	45720
tgggaggcag	agcttgagct	gagccgagat	agtgccattg	ccttccagcc	tgggcgacag	45780
agcgagactc	cacctcaaaa	aaaaaaaaaa	aaaatagaga	cccggaaggt	taaaaatatg	45840
ataatcaata	tttaaaaaca	ctcaagagat	gggctaagaa	gttgacggaa	caaatctaaa	45900
tattagattg	gtgacctgca	aaaccagccc	aaggaacatc	ccagaatgca	gccccataag	45960
ataaagagag	catttccgct	gggcacagtg	gtatggcagg	ggaattgcct	gagtcctaaga	46020
gttgccaggtc	acattgaaac	acaccattgc	actccaggcc	tgggcaacac	agcaatactc	46080
tgtctcaaaa	aaaaaaaaaa	ttaaattaaa	aaagacagaa	tatttgagag	aaaaaaatgc	46140
ttattttcaag	aaacatgaaa	gataaatcaa	gatattctaa	ttcccaagta	agaataattc	46200
cagaagcaga	aaatagaata	gaggcaagga	aacactcaaa	acttctccag	tgccatagaa	46260
atgtgtatta	atctttagaa	tgaaacggac	taccaaatgc	tgagcaggaa	gaacaaaaga	46320
gatccactct	taagccagtg	tgggtgccaa	gcgcagtggc	tcattgcctgt	aatcccagca	46380
ctttggggagg	ccgaggcagg	tggatcacct	gaggtcagga	gtttgagatc	agtcaggcca	46440
acatgggtgaa	accctgtctg	tactaaaaat	acaaacatta	gctgggtatg	gtgggtgcaca	46500
tctgtaatcc	caactacttg	ggaggctaag	gcaggagaat	cacttgaaac	caggaggtgg	46560
aggttgtagt	gaagccgagat	catgccacac	tcccagcctg	ggtgacagag	caagattcca	46620
tctcaaaaaa	aaaatccact	cctagacaaa	taatagttaa	attttagaac	accaaggaga	46680
aagaaaaaaa	attgtaaagc	ttcagagaaa	ataaacatta	actacaaaag	aacgagagtc	46740
agacgcgtgc	acttcttccct	agataccagc	agataaagca	atatctccaa	aattcagaag	46800
gtttttaacgt	agaatccctat	accagtgcaa	gaatatctac	atggaaaagt	gaaataaaaa	46860
acattgttta	aacatgcaag	ggttcagaaa	gtttaccatt	cacagaatcc	ctgaaaacaa	46920
aaccaataaa	tacttaagg	actcattaag	aaaacaaatg	aaataaaaag	accaatgatg	46980
agtaataaat	cagaaaaatt	tacagtttac	ctaaataact	gtttatgcat	aatgtatgaa	47040
aacccaaaaa	tttaatatgg	gacagaatta	aaatcatgat	aagattcttt	tttgctttac	47100
tcattggagag	ttcacataaa	cagattatct	tttaattagca	agagaaaaaa	atgttttagat	47160
atgtgtgtaa	aactaaggg	accaaaacag	tgcaaatcca	tttatcatca	ggaaaatcca	47220
aattaaaacc	acagtatcca	ccagaataac	taaaaggtaa	aagacagaaa	ttaccaagag	47280
ttggcaagaa	tgtggagcaa	ccacatatac	ttctggggta	aataagttgg	tgcaaccgggt	47340
actgaaaact	gtttgctagt	atctactaaa	accgagcaca	tgacacagact	acaaccaagc	47400
agttccactc	ccgatatac	actcaacaga	aatgcacaca	ctcactcaac	aaaagacgtg	47460
tactagagtg	ttcatgtact	tactattcat	aatagtccaa	aaatgcaaac	aaccaactgc	47520
caatcaaagt	caaagtata	tctatattag	ggatatatac	aatggcatat	acacagcaat	47580
gagaatgaaa	tgaaccagct	cggcacagtg	gttcatgcct	gtaatctcag	cactttgggc	47640
gggtaaggga	ggcagatcac	ttgaggtcag	aaatttgaga	ctagcctggc	caacacgggt	47700
aaaacctgtc	cccactaaaa	acacaaaaat	tagccgggca	tagtgggtgc	aggcctgtaa	47760
ttccagctac	tcgggaggct	gggttgggag	aatcgtttga	acccgaaagc	cggagggtcgc	47820
agtgagcgga	gatcgtgcca	ctgcactcca	gcctggacga	tagagcaaga	ctccgtctca	47880
aaaaaggaaa	tcaaaaatat	aaaataagat	gacaggaata	atccgcaaaa	gatcagtaat	47940
caaaaataat	ataaatgggc	taaagctacc	tattaaaaga	caaagatttc	acaccataaa	48000
ggatagctac	tatcaaaaaa	agagagagaa	taacagatgt	tagcaaggat	gtatggaaac	48060
tgaaattctc	acgcattgct	ggtgagaata	taaaatgggt	cagcctctgc	ggaaaacact	48120
atgctgggtc	atcaaaaaat	taaaaataga	agtactactt	gatccaacaa	ttctacttct	48180
gggtatatac	ccaaataact	gaaagcaggg	tcttggaagag	atatttgtac	acccatgatc	48240
atggcagcat	tattcataat	agctatgatg	tgaaccaaac	ataaatatcc	tttgataaat	48300
atatggataa	gcaaaaatgtg	gtgtatagat	tcaattggaat	attaattagc	aataaaaaatg	48360
aagaaaattc	tgacacatgc	tacaacatgg	atgaaccttg	agggcattac	attaaatgaa	48420
ataagccagt	tataaaaaga	caaatactat	atgaggtact	atattagata	ctcatgcaag	48480
gtacctaaaa	taggcaaaat	catagagaca	aaaagcagaa	tgggtgggtgc	caggggctgc	48540
ggtaatggat	acagagcttc	aattttgtaa	ttctggagat	tgggtgcata	tgggtgaaaa	48600
acaatgtgca	cacacttaac	actggggaac	tgtaaaactta	aaagtagtaa	atggtaaaaa	48660
taaaaataat	aaataataaa	ttttatgtta	ttttaccaca	atatttatta	aaagacaaag	48720
attaactaat	taaacaaaat	ccagccataa	gctaattggt	agagtaacaa	ttaaagaaga	48780
cacagaaaaat	tgaaaatcag	tgactagaaa	aagatattcc	atataaatgc	taacaaaaag	48840

caagtacagc	aataataaga	gaatgaacaa	aaaaaaaaatt	aaataagatg	gctcgtttat	48900
tcccaaaagg	tacaattcac	caagaagata	caagaattgt	gaacctttta	gcacataaaa	48960
cagcttcaaa	aatacaacat	ttaaagaaaa	atatatatta	aacatagaaa	tagtacaaaa	49020
accctacaa	gaatcataat	gggagcttct	aatacaactc	tccatatcaa	caggtcaaac	49080
agagaaaaaa	aataagttaa	ggatgcagaa	aacctgaatt	accatcaata	aacttgagat	49140
taatatagaa	ctgtataccc	aatatactaa	gagttcaggg	aacagtcgtg	actgacagtg	49200
gactgcaaat	taatctgttc	ttaatctttg	tttttctttc	agcactgtgg	cagaatagag	49260
atcctaaaaa	ccttccagct	acaaaacatc	tttttaaaaa	tataaaaaaa	tacaaaaata	49320
actctgaaat	caatagaaga	cacatgggtg	aacccaaatt	ctagaataca	gggagaataa	49380
aggcattttc	agatattaca	aaaacagaaa	attgatcatt	gctgaagtaa	tttctaaaga	49440
atgtacttga	gggagaagaa	aaatgttcca	aagaaaagta	tctgtgatac	aagaagggaat	49500
ggaaagtga	gaaatggtaa	acaggtagat	aaagctaata	aatgttgacc	tagaaaaata	49560
caaaaacaa	agcaataatg	tctcgttgga	aggggtgaag	taaaaataca	attaaggcca	49620
aatgtgaggt	aagtggaaatg	aaagaattag	aagtccttgc	cttggtcaca	ggactgatta	49680
aataaaatgag	ccaggttttc	cattcaaaca	gttaaaactt	gaacaaaata	aactcaaatt	49740
aagtagaaga	ataaaaaaca	gaaattaatg	tcatagaaaa	ataaaaaatc	aatagaatta	49800
atcaataaat	cctgggtta	aaaagctgg	tctttgaaag	gattaataaa	ataatcatta	49860
agcaagtctg	atcaaaaaaa	aagagaaaa	gtacaaaaaa	aagtactgta	tcagaaagag	49920
aacatacaga	tacatacaga	tatgtaagag	tctgttttct	tacaccagaa	tactatatac	49980
aacattatgc	tagcataatc	taaatttcaa	taattgtaatt	gattttctag	gaaaacagaa	50040
aatattaaat	ttactttgaa	gaaacagaaa	aactgagaaa	aataaatgat	catgaaaaaa	50100
atgaaaaggt	aattaaatac	tgatattaac	tgccataaca	acaccagcag	cagcccaggc	50160
agtctgcagt	caagttctgc	caaacttgag	ggaacagata	attcttctat	tccagagcat	50220
agaaaatgat	ggaaagtttc	ccaattta	cagagaggac	agcctgatcc	ttgttatgaa	50280
cacagataaa	aatggggtaa	actatgtgcc	aaactcagat	acccaaaacc	taaaatagat	50340
gctagcttat	tgatgtgaac	aatccaaaag	tgcattttaa	attagcccag	ggtttttagag	50400
aaagaaaatc	tagcaatgtg	accaccactt	atgttaacaa	ttttaagacg	aaaatctaca	50460
tgatcatatc	aatgcatgct	acacaaaagc	atttgggcaa	aaaacccaac	accaccctt	50520
gactttttaa	actcttagta	attaggcata	aacagaaatg	tacttaatgt	gatagaatac	50580
actcggtgaa	gatacagagg	gaatgctccc	taaaaccaag	ccaagacaa	agattcctat	50640
ttaacctcaa	tagtcaacac	tgacagcaga	gtaatctatg	gaagacaagg	aaaaaagtaa	50700
aaacatgaga	gacatctgtt	gtttaacaga	caataagatc	acctacttgg	aagaggcaaa	50760
cgaatcaagc	gaaaaactat	taaaactgag	acaggcttta	gtatggaggc	tcagcttcag	50820
ctgtagtttg	ggctaccaaa	ttcaactcgc	ttgtctggag	agttaatcct	gcaaaagtca	50880
tttctgttga	gggtattagg	ttgacaagcc	tgtctctctc	cctcctcccc	catcttcaac	50940
actgaaataa	cacgggtgtt	ggaactggat	aacagaatct	tccaaaaaca	aaaattgtcc	51000
tgaagggctg	acttgtgccc	ttactcaaaa	aacactttat	ctgctgcctg	cagctcctac	51060
agttgtcgtt	ggataagcct	gccaaccagc	tcggcgtaat	tcttctctga	gagggcaagg	51120
aagagcaggt	tcacaggaaa	atttttttcc	gaactgtatg	cgcgttatta	cataaactta	51180
cgtgctggca	aatggagctc	cagcaaaaata	agatattcag	agtcaaaact	ccttaggaaa	51240
aaaaaaaaaa	aaaagcaagc	acataacact	aatttccttg	catgggcact	ggggaaggag	51300
gtcgttactt	ccgcacgccc	gcaggtccgc	accaccggga	aaccacggg	caccgcgcgc	51360
tgccccggg	ccttccaggt	gcactgcgcc	gcggcgcccc	agctgaccgc	ggatgcgcag	51420
ccttagccct	tcccctgtca	ccccggccag	gaagggcgcg	gagcgcggcg	gagcgcgagg	51480
gcgaagggct	tctcggctct	ctgcaccacg	cagcaccccc	aaggcacaac	agggagggtg	51540
cgggaggctc	ccgagaccca	ggagccgggg	ccgggcgtgc	ccgcgcacct	gtcccactgc	51600
ggcgagggtc	ggggctgcct	ccagggccgc	agctgtcggg	agccacctgg	ctctcagtcc	51660
cgggtccctg	cgacaaccct	cgggcccgga	ggggaggagg	cggccacctg	ccgtgccac	51720
ctgcggcacc	ggtcccaccg	ctccggcgcg	ggcaggacag	gccaggacgt	ccctcctggg	51780
ctggggacag	gacacgcgac	gaggggaccg	gggccccgcg	ggcgaagacg	cagcacgcct	51840
tcccagaaa	gcagtcccgt	gcccccacga	cggactgcgc	gacccccgcg	ctcgcccgc	51900
catcccttca	gaccacgcgg	ctgaggcgca	aagagccggc	cggcgggcgg	gctggcgggc	51960
cggctagtac	tcaccggccc	cgctggctca	gcgcgcgcgc	aacccccagc	ggccacggct	52020
ccgggcgctc	actgatgctc	aggagaggga	cccgcgctcc	gcccgcgcct	ccagccatcg	52080
ccgccagggg	gcgagcgcga	gcccgcgggg	gctcgtggg	agatgtagta	cccggaccgc	52140
cgctcgcgcc	gtcctccttc	agccggcggc	cgggggcccc	ctctctccca	gctctcagtg	52200
tctcatctct	ctatctgctc	atcctctgtg	cgcacataat	cgatgttttg	gcgtcccaag	52260
ccagatgtgg	accccatttc	cgcactctac	actggagggt	ttctaagggt	ggtgccccga	52320
ccagcagctt	cagcctcatc	tgggaacttg	agaaaatgca	gatttccgt	cccaccacgc	52380
ctattcgggt	tttctcgcac	taaaaccatg	aaggtggggc	ccagcagtc	acattctcgc	52440
aagcccgtca	agtgattctg	aggcgccctc	cagtttgaga	gctatgctca	cggcctcacc	52500
tccgccccgc	aaggagcccc	gtcttgccct	tggcgctagc	cgcacacgga	cacctcatcc	52560
tgcggggccc	gcccccccgc	tgccccctca	ccgcccaacg	cctcctccgg	gatgcagcgg	52620
aggcgccctg	aagtcggcaa	ggtcaacatc	cccctcagca	tcttccctac	cctcacggct	52680
cctcctccag	gggtgcctca	tggccagggg	ttagaaagag	ccactgtgtt	tcttgacatg	52740
gaagtggcct	aagaccttaa	tgaaaactgc	aggagtggaa	tgacagaacc	tttgggtcata	52800
cttgagggcg	tgaagctcaa	atgaggagga	aggaaaggat	ccaggagaaa	taaccaaccc	52860

tggcaagt	tggcgccc	gtagaggg	gagcctag	tagcgggt	cgaccaggg	52920
cggtgttg	cctcctcg	gccccgcg	catttggg	ggtctggg	catttttgg	52980
tgtcatgat	cgggagtt	tactgttg	taagtggg	gacacgagg	tgctcctca	53040
catcctac	gaaggacag	actgcccc	aaggaaga	gatccggcc	caaataaga	53100
accctggg	ggtcagca	aacccttt	ttctgaga	agaggagg	agaataaaa	53160
aagtgggg	aagttttg	ttggtaga	aaacttga	acattttca	tggaaagg	53220
gagaggaa	ggagggat	gtctgtaa	acgagcaa	cggttgac	ctgatttct	53280
catattga	taatgagtc	tagttata	aaattccta	taaaaacca	gtttatcc	53340
gcaataaa	tgtcttttt	ttttaaat	actgcttg	tctgtttg	aatatttt	53400
ttacaggct	tgcattgata	tgcaaaaat	agatgggca	taattttct	tttgaatgt	53460
taatgttg	tggtttcaga	atcaatgt	tgctcacat	ataaaaaat	tggaccgag	53520
gcaggagg	tgcttgagg	cagaagtt	agaccagt	aggaaacac	gtgagaccc	53580
cccattct	caaaaaaaaa	aaaagaaaa	aaaatggg	tgtttgctt	ttcctttta	53640
tctgaaca	ttaaggag	ttaaaatt	ctattcttt	aggtttgat	atttcccag	53700
taaaaaat	cctcccag	tgatgcttt	tttggggag	gtaaatctt	taaggctag	53760
aaagtttct	ctgtggca	tttattatt	acattttaa	aattattct	gagttaat	53820
tgataaag	tgtatttct	aaaacaa	atccttttt	tccagatgt	caagtgtat	53880
tgcataaag	tgaggaaag	agtcttttg	gaatctttt	acttctcca	aatatctta	53940
tttgtgtat	tttgcctct	tattttgta	acttttaaa	gtgtatttt	ttttcaaag	54000
atcagctct	aggtttat	ttttggtat	actggagct	ttttcttct	ctttttaaa	54060
aattttttc	cctttattt	ttagacgt	tttgatcta	cgtaatcgg	agaaggtaa	54120
ttagaatct	ttgttact	tgtgtttta	tttctccta	tttctctga	gtcctgctt	54180
ataaatag	ccatgttat	tgtgcata	tattcattt	tcttatatt	ttgggaatt	54240
tcccacttc	tcataaaat	accttctct	tctcattta	tgtgttcaa	ctttgcctg	54300
aattttaact	tgtctgata	tttaccat	tgtctgaatt	tgtttgttt	cccaacaac	54360
ctttgctgt	ttcgtcttt	ctgaaccct	tattttagg	aatcccttg	attagagca	54420
taagttttg	tttgtgatt	aatctgaaa	tctttatct	gccatagat	agttgagcc	54480
tattcatgt	acagctata	tatgctgtt	catagccct	ttggctcct	tttcaact	54540
gcattgcata	ttttgtgtt	attgtgttt	gtgtttctt	tgataattt	gaaggttgt	54600
atttttatt	agggagttg	cttataat	tactccgca	tacacatcg	cctcagttt	54660
ttcagactg	ctgttaact	cctattctg	ataaaaaat	cattgtaat	tccctcttt	54720
ttctttacc	cttttctct	cctcaccta	tgtaaatga	tttatcctt	tttagtatt	54780
gctttttta	tttaactac	ttataaat	ctttatcact	tgattttta	atcagcttt	54840
aatgagata	ttggattct	agatataaa	gatgttaatt	ataccattt	cacgttagt	54900
ggttttata	atcatata	ctgctgtgt	accataatc	cacgtttgt	ttagttcc	54960
tcctacagt	aaaagattc	gaagtatt	taacagtt	tttgccat	ttttttccc	55020
aacccattt	gtggtaagt	atgatcctg	tttagttct	taagaata	ttatagag	55080
gagtgtggt	gctcacgtt	gtaatccc	cactttggg	gacaagagg	agaaggatc	55140
cttgaagca	gcagttcaa	accaccctg	gcaacatag	gagacctgt	ctctacaaa	55200
aattttaaa	tttagccag	cgtagtggc	tgtgcctat	gtcccagct	ctcaggagg	55260
tgaggcaag	ggattgctg	agcccaga	tttgaggct	cagtgaact	tgattgtgc	55320
actgcaccc	agtctgggc	agaaagtga	aacctatct	tttaaaata	caataata	55380
tatatgaaa	tatatccct	gagtttttc	tgtttaaaa	tatttgttg	ctttatcct	55440
taaaagttt	agtataa	cttgggtat	actttatta	ttgaagaat	tataagtat	55500
gtcttctaga	attgagtgt	gctgtaata	aaccagaag	cagcctggg	tatttttct	55560
cagaaatga	gtaattgcc	gccggacac	gtggctcat	cctgtaatc	caacacttt	55620
ggaggccg	acaggtgg	cacgaggtc	ggagattga	accatcctg	ctaactggg	55680
gaaaccccg	ctctactaa	agtacaaaa	gttagctgg	catggtggg	gacgcctgt	55740
atcccagct	cccgggagg	tgaggcagg	gaatggcgt	aacctggg	gaggagctt	55800
cagagagct	agatcgcc	actgcactc	agcctggcg	acagagtga	actccgtct	55860
aaaaaaaca	aaaaaaaca	agaagtga	gtaattgca	tgatgctca	agaattatc	55920
ctttgtctat	gaaatccag	aatctcact	ttatacatt	tgggaatt	attctgggc	55980
aatatttct	gggacacaa	agattgact	tatagattt	atttttttt	tttttttga	56040
acagagtct	actgcaatc	cagcttact	caacctctg	ctcacgggt	caagcaatt	56100
tcctgcctc	gcctccca	tagctggg	tacaggcgc	tggcaccat	cctggcta	56160
ttttgtctt	ttagtagag	cagggtttc	ccatgttgg	caggctggg	ttgaacgc	56220
aacctcaag	gatccacct	cctcagctc	ccaaagtgt	gggattac	gcgtgagca	56280
ccatcccag	cctcaattc	tctttctat	tggttaatt	tctgaagt	aaaacatt	56340
ttctaatac	ttatttcag	gttcttcta	gagtgtaaa	gcacctatt	cccaggctc	56400
cccccatct	gctagtga	tcggctggg	cttcacaag	gctctgggt	tctcctgct	56460
aatctcaag	acctctgtc	gcctccacct	ggtttatga	ttggagttt	ttggttttt	56520
ttttttggt	ttgacagag	cttactctg	caccaggct	ggagagcag	ggcataatc	56580
cagctcact	caacctctg	ctcccagg	ttagcgatt	tctgcctca	gcctactga	56640
tagctggg	tacaggcgc	tgccaccac	cccggcta	ttttgtatt	ttagtagag	56700
tggggtttc	ccatgttgg	cagggtggg	ttgaactct	gacctcagg	aatccacct	56760
cctcagctc	ccaaagtgt	gagattac	gcgtgagca	ccgcgcctg	catggtttg	56820
agttttaat	tgtagttta	ataaagata	tgcttatgt	tgtgtttct	atatttctt	56880

gtactcttgg	gtaatttcta	agatccccat	atctacacaa	gaagtccatt	ttcaattctt	56940
ttcttcagac	tgttttat	atcttatttt	atcttatttt	tatgtttgag	atggagtctc	57000
gctgtgtcac	ttctggaggc	tggagtgcag	tggcgcgatc	tcaggtcact	gcaacctccg	57060
tctcccgggt	tcaagcaatt	ctcctgcctc	agcctcccga	gtagctggga	ttacaggcac	57120
ctgccacttt	ttaatttttt	tagagacaga	gtctcgcttt	gttgaccagg	ctggagtgcg	57180
gtggtgcaat	catggctgac	tataacctcc	aaatcctggg	ctcaagtgat	cctcctgcct	57240
cagcctcctg	agtagctggg	actacaggca	catgccacca	tgcccagtta	attttaattt	57300
ttttgtagag	acagggtctc	catatgttgc	ccaggctggc	ctcctactcc	tggcctcaag	57360
taatcctcct	acctcagcct	cccaaattac	taggattata	agcatgagcc	accatgcccc	57420
gccttgttct	actactttta	tttcatatgt	taggtgacca	tgtaattgat	catccaaacc	57480
aggatactgt	aagaatgaaa	gaggctgaca	gtagtatgat	gctgggacta	gcatttgtca	57540
ctgagattat	ttctgggaaa	gcaggagata	cggtcaccct	acttatagt	tgcttgtctt	57600
tggattgttg	aatttggagt	ttctatttgc	aggcttattt	caactgggca	gccttgatcc	57660
gccctgcccc	gcaatgctac	cgttctctcc	accgggtctc	tgggacccct	tcagtcacta	57720
tacttagctc	agttccccac	cctcccactc	cctaaaagcg	taaccaggaa	tcctgcctca	57780
ggctactctc	cgcttccctg	gggctgtttc	agttcctatt	accagagatc	aaactcccag	57840
cattccctac	ctgattccag	acttggagtc	cagagcttta	acctcttcag	gccaactccc	57900
cactttgcat	ttctgtccct	atatcttagt	ccatggagat	acatttcatg	tctttgagtc	57960
tacttacaaa	gtaaattttg	ctgtttttta	atcttatttt	tgagatggag	tcttgccctg	58020
tcaccacagg	tgtggtgcaa	tgacgccatc	tcggctcact	gcaacctccg	cctcctgggt	58080
tcaacgagatt	catctgcctc	agcctcccaa	gtagctgtga	ttacagacag	gcaccaccac	58140
gcccagctaa	ttttttttat	cttttagtag	agacagggtt	tcaccatggt	ggccaggctg	58200
gtcttgaatt	cctgacctcg	tgatctgccc	atctcggcct	cccaaagtgc	tgagattaca	58260
ggcgtgagcc	actgtgcccc	gccaattttg	ctttttttat	atctcattgc	tatatgttta	58320
gaggataaag	ttacagtgtc	atatgcattc	ccaaatatta	gaccaaataa	atctccaaaa	58380
aattagaaag	aaaatccaaa	aaatctcaaa	aaataccaaa	aagcaacaat	ctcacagacc	58440
atactcactg	accccccaata	aaataaaaatt	agaaattaac	cacaacttaa	caaaataaag	58500
tactcaagtc	agagaggaaa	gaggaaataa	acatcaaaat	tacaaagtct	aggcgggtgg	58560
tcacgcctgt	aatcccagca	ctttggggagg	ccaaggcggg	cagatcacaa	ggtcaggaat	58620
tcgagaccag	cctggccaat	atggtgaaac	ccggtttcca	ctaaaaatac	aaaaatttag	58680
caggcatagt	gatgtgtgcc	tgtaatccag	ccacttgagg	ggctgaggca	ggagaatcac	58740
tgaacccagg	gagacgaaga	ttgcagttag	ccaaaatcgt	gccactgcac	ttcggcctgg	58800
gtgacaaagc	gagactccat	ctcaaaaaaa	aaaaaattac	aaactcttta	gatagaaatt	58860
ttggtgtttt	tttttgagac	ggagtctcac	ttgtctcgag	aggctggagt	gcagtgggac	58920
tatgtcagct	caccgcaacc	tccatctcct	ggattcaagc	aattctcctg	tctcagcctc	58980
ccaagtagct	aggattacag	gcgcccacca	ccagacccag	ctagttttta	tatttttagt	59040
agagatgggt	tttcaccatg	ttggccaggc	tgggtctcaa	ctcctgacct	caagtgatcc	59100
acctgcttca	gcctcccaaa	gtgctcagat	tacaggcggt	agccaccgca	ccccacctag	59160
atagaaattt	caactgagg	ccgggcacaa	tggtcacgc	ctgtaatctc	agcacttcag	59220
gaggctaggg	cgtgggagga	tcacttgggc	ccaggagttc	aggaccagca	tgggtgacag	59280
agacagaccc	tgtctctatt	tatttgaaaa	aaaaaaaaaa	aaagagagag	agaaagaaat	59340
ttcaacatga	aaagtatctc	tcaaaccctt	cgagatgttg	gcaaaaagcg	actcaaagga	59400
aaatgtatta	ctgtgtgtga	atthgtctga	aaataagaaa	gaggccgggt	gtggtggcta	59460
acacctgtaa	tcccaacct	ctggaggtcc	gaatcaagtg	gatcatgagg	tcaggagatc	59520
gagaccatcc	tggctaacat	ggtgaaaccc	tgtctctact	aaaaatacaa	aaaatttagt	59580
aggcgcggtg	gctcatgcct	gtaatcccag	cactttggga	ggctgaggca	ggtggatcac	59640
ctgaggtcag	gggtttgaga	ccagcctggc	ctacatggtg	aaacctcgtc	tcttctacaa	59700
atacaaaaaa	tagctgggcg	tgggtgggtg	tgcctgtaat	cccagctact	cagaggctga	59760
ggcaggagaa	tgcttgaac	ccgggaggcg	gaggttgcgg	tgagccgaga	tcgcaccact	59820
acactccagc	ctgggcaaca	gcctgggtga	cacagtgaga	ctccatctca	aaaaatacaa	59880
aaaattagct	gggtgtgggt	gcctgcgcct	gtagtcccag	ctacccggga	ggctgaggca	59940
ggagaatgga	gtgaacctgg	gaggaggagc	ttgcagttag	ccgagatccc	accactgcac	60000
tccagcctgg	gcgacagagc	aagactcttg	tctcaaaaaa	aagaaaaaaa	aaggaaaaaa	60060
gaacctgat	aataaagaaa	ccaaatgttc	aactctcaaa	gctcggacac	tttaaagaaa	60120
taattaataa	aggcagaagt	taaaggagg	atgataaagc	aatttttttt	gttgggtttt	60180
ttgagatgga	gtcttgctct	gtcaccacag	ctggagtgcg	gtgatgcat	cttggtctac	60240
tgcaacctct	gcctcccggg	ttcaagcaat	tctcctgctc	cagcctcctg	agtagctggt	60300
actacaggtg	cgcgccacct	ggcccagcta	atthttgtat	ttttattaga	gacgggggtt	60360
caccatattt	gttaggctgg	tctcaaaact	ctgatctcag	gtaatctgcc	cacctcggtc	60420
tctcaaagtg	ctgggattac	aggcaggcgc	caccgcgcct	ggcctaaagc	aaaatattgg	60480
ttctgtgcaa	aagggtcaata	aaaagagcaa	acgtttacaa	actggagcca	gcacccattc	60540
agctcagtg	gtctggagaa	aaaacaatct	cgcttcagaa	ttcatgatta	cgcagccctt	60600
tttgcttctc	aaaaatccta	ctatgttgct	cttgaccatt	ctctctcttt	ctctctctct	60660
tgctttctct	ccagaaaagc	tattcagaca	ttctcctctt	tcctcaaaac	tccaacactt	60720
cctcctccat	ccttagcctc	agctgctgac	ctcacttcta	atcattgaga	aaccaggaga	60780
agcattttaag	agtgaacctc	cgcctccccg	cacgggcaaa	accacccacc	cacagaattg	60840
tgccccaatt	ctgcgtcctc	tcctctcacc	atggatggac	ggtccaggct	ccgagccaaa	60900

gccaggcctc	ccctggagct	ctggatccac	cacctgcagc	ttctcaggca	gggccccagc	60960
agctccccctg	ctccccctgtgta	ccatcaatcc	ctccccctcac	tgggtcactc	ccaacaatat	61020
atatatttttag	tgatgtttct	cccatgtgggt	aaaatcactt	agcctctctc	ctcccccagc	61080
tactatccta	tttgtttctt	tccattctct	gcaaaacttc	tcaaagcatt	gtgtctatgt	61140
gctgactcca	tttatcttct	cccgttctct	gctgagtctt	tcccacagac	tctcacccca	61200
gttactccat	gaaatgacct	ctgcaactgcc	acatccaatg	gtgaatgttc	agttctttaat	61260
tttattcagt	ctttcagcag	catttgacct	ggccgatcac	tccctcttct	taaaaatact	61320
tttctcagcc	aggcgtgatg	gctcacacct	gtaatcccaa	cactttggga	ggccaaggcg	61380
ggaggatcat	gagagcccag	gagttcaaga	tcagcctggg	caacatggca	agaccctatc	61440
tctacaaaaa	ctaaaaagta	gccagtgtga	tggcatgcac	ctgtagtccc	atctacttag	61500
gaggctgagg	cagtaggatg	acttgagcct	gggaaatcaa	ggctgcagtg	agccatgatt	61560
gcaccactgc	actccagcct	gagtgcagc	gagaccctgt	ctcaaaaaga	caaaatagga	61620
aacttttctc	agcatattcc	tctgattctc	ctgctgcttc	tgtctgcaca	gattcagctc	61680
cctttgcegg	ttcttctctca	tccctctgat	ctcttgacct	tgaagtgcc	cagagtacag	61740
tctttttttt	tttttttgag	acgcagctc	gtctgtcacc	caagctggag	tgcaatggcg	61800
aggctctcagc	tcattgcaacc	tctgctcctc	gggttcaagc	gattctcctg	cctcagcctc	61860
ccaagtagcc	aggactacag	gcacatgcc	ccatgccag	caaattgttg	tatttttagt	61920
agagacaggg	ttttactata	ttggccacgc	tggctcctcaa	ctcctgaact	cgtgaaccac	61980
ccgcctcggc	ctcccaaagt	gctgagatta	caggcatgag	ccaccacacc	cggccccagag	62040
tacagctctt	agacggcctc	tctacctata	cttgcctccc	tcataaactc	ctcctgcctc	62100
atggctttta	ataccatcgg	tagactgatg	actcccatat	ttctcttttt	tttttggaga	62160
cggagtctcg	ctcagtcctc	caggctggag	tgcagtggcg	cgatctcggc	tcactgcaag	62220
ctccacctgc	caagttcaca	ccattctcct	acctcagcct	ctccagtagc	tgggactaca	62280
ggcaccgcgc	accacgcctg	gctaattttt	ttgtattttt	agtagagatg	gggtttcacc	62340
atggttagcca	ggatggctc	gatctcctga	cctcgtgatc	cgcccatctc	ggcctcccaa	62400
agtgcctggga	ttatagggtg	gagccaccgt	gcccagccga	tgaactccat	atttctatct	62460
cttgctgtgt	gggagttctc	ctcagaactc	catactcata	aatccaactc	tcataaatag	62520
tatctcaaat	gggcaatatg	ctcaaaagtc	aattcctact	tttctcccta	aacttgcttt	62580
cctgcagtct	ccaccatctt	aatgtccaat	ctaacttag	gaggcaaaaa	ctttgaagtc	62640
attcttgact	cttctctatt	acacacccta	tccaactctt	ctgcagatcc	agtcgacccc	62700
caaattccagt	tagctctcat	catctccctc	gttaccctct	ggtccaggcc	atcttctctc	62760
ctcacctgaa	tcactgcagc	attctcctca	ctggctctct	tgggtctgtt	ttcactccac	62820
cttagcatag	tctccacaga	gcagtcagag	ggatcctttt	aaagtgtaat	tccccactcg	62880
tccctgctct	gctcaaaacc	ctgtcgtgat	tcccgtttta	atctgtcaga	ttaaaagcca	62940
gagtccttcc	agtgaacctac	atgatctgcc	tattatcacc	tcccacttct	ttccccttgc	63000
tcactccact	ccagctctgc	agctgtcctt	tctgtttcct	gaacagccca	gattttgctt	63060
ctttagaacc	tttgattttg	ctgtccctc	tgtctggaat	gtttttccag	gaagtcacct	63120
ggctctctcc	tgcacttctc	tccctgaccac	catgttttaa	aatcactcaa	acacacttca	63180
ggccggagac	ggtggctcac	gcctgtaatc	ccagcacttt	gggaggccaa	ggtgggtgga	63240
tcacctgagg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaactt	cgtctctact	63300
acaaatacaa	atagtagcca	ggtgtagtgg	cacacacctg	taatctcagc	tactcaggag	63360
gctgaggcag	gagaatcgct	tgaaccacga	aggcagagga	ggtgcagtga	gccaagatca	63420
cgccacaaca	ccccagcctg	ggtgacagag	caagacccca	tctcaaaaaa	aaaaaaagaa	63480
aaaaaaatca	cacaaacaca	cttctcttca	tattcctttt	ccaagtttta	tttttctcca	63540
gaatacttta	cattgtttta	atggaagttc	tccgtttccc	cccaactaga	atggatactt	63600
cctgcaggta	ggcactctag	tccctccatc	caagtactaa	ccaggctcaa	ccctgcttag	63660
cttctgagag	caggggagat	caggcctggt	caggggtgga	tggcccagga	attttgattc	63720
tgttttattc	attgctgttc	tgttgattct	cttttgttcc	tccctctagt	gctgagaaca	63780
ctacttgtac	ataataagca	ttcaataaat	atttgttgaa	tgaatgactt	gttgaaatgaa	63840
ttaatctcag	aaatgcagga	ctggttctac	attagaaaat	ttttcaagggt	cattctctgt	63900
tgctgtaaca	cattaagaga	ggaaaatttt	gtactctaaa	tcatttgata	aaatacatat	63960
tgattttctgt	tttcaaaaac	tcttagtggc	tgggcgaggt	ggctcacatc	tataatccca	64020
gcattttggg	aggacgaggt	gggcggatca	cttgaggtca	ggagtgtgag	accagcctgg	64080
ccatcatggg	gaaaccctat	ctctactgaa	aatagaaaaa	ttagccgggt	gtgggtggcg	64140
atgcctgtag	tcccagctac	ctgggaggct	gaggcaggag	aatggcttga	acccgggagg	64200
cggagggttg	agtgaacca	gatcatgcc	ttgcaactcc	gcctgggtta	cagagtga	64260
ctccatctca	aaagaaaact	cttagtgagt	ttaggaatcc	aaggaagacc	ctcaaaactaa	64320
atagataatc	tactaccag	aagccttcag	taaaccttaa	cactccatgg	tgaaaactta	64380
gaaacattcc	tactaaaaga	caggctaaga	atgcctgcaa	tcttcacggc	tagtccaaga	64440
agtcaaaaag	aagaaatgag	cgctgattta	aaaaaataaa	caaacaaaaa	actaccgatg	64500
cagaggctgg	cagcaaggac	tgaaggactg	tacagtactt	gcctggagca	ggcggatggc	64560
cacaccctg	cgaagcctgc	tcagctggct	gggggacgct	ccagtgtgtg	agtggcagga	64620
tgcagggtac	ttcctctgcc	agggagtgtc	actggggaga	tccctcccca	ctcacacttt	64680
ggcagctggg	gctttggaat	gtgacttagc	ttctgtcaaa	gggtcaatcc	accctttgat	64740
atatgatgca	aaggcgaaca	tatgatgcaa	aggtgagaga	acagcccaaa	ttaggacttt	64800
taccacagct	gtggaggtgg	acagcgacag	tgggtggccc	tggccagact	tttcatgctc	64860
aaaggtgggtg	gttgttcttc	ctacttcttg	tccctccagg	gcttcccttg	cctgtgtgct	64920

gaacctgctt	cttttaattt	tttttaactt	tttttaattt	ttaattgttt	taattaaaaa	64980
aaatsttgaa	aactgtctga	acctgctttt	gaacctgct	atgatttgaa	tgtttgtccc	65040
ctgccaaact	gattttgaaa	cttaatctcc	aaagtggcaa	tattgagatg	gggctttaag	65100
cagtgcactg	atcatgagag	ctctgacctc	atgagtggat	taatggatta	atgagttgtc	65160
atgggagtgg	catcagtggc	tttataagag	gaagaattaa	gacctgagct	agcatggctg	65220
ccccttcacc	atttgataac	ttacactgcc	taggggctct	gcagagagtc	cccaccaaca	65280
agaaggctct	caccagatac	agctcctcaa	ccttgtaact	ctcagcctct	gtaactgtaa	65340
gaaataaatg	ccttttcttt	atgaattacc	cagtttcaga	tattctgtta	taaacaatag	65400
aaaacgaact	aaggcaaaact	ctcatgatct	tactgccatg	ccattccaat	aaactccctt	65460
tatgcttaag	agagccagag	ttggccaggg	gtgggtgactc	acgcctgtaa	ttccagcact	65520
ttgggaggcc	gaggcagggtg	gatcacaagg	tcaggagatc	gagaccatcc	tggctaacac	65580
ggtgaaaccc	cgtctctact	aaaaatacaa	aaaaattagc	tgggcgtggg	agtgggtgcc	65640
tgtagtccca	gctactcggg	aggctgaagc	aggaggagaa	tggcgtggac	ccaggaggcg	65700
gagcttgagc	tgagtcgaga	tcgtgccact	gcactccagc	ctgggtgaca	gaatgagact	65760
ccgtctcaaa	aaaaaagaga	gccagagttt	atttctgttg	cttgcaacca	agaaatctgg	65820
ctgggtgact	gaagtttcca	taaataatag	caattttaaag	actctttcca	agccaggcaa	65880
tgcctagcct	tgtgtagtcc	ttgtggtaat	acattcattc	attcatttgt	tcaaccaact	65940
gtgctccaga	gactaagaat	acaaaaatgg	gggcccgggtg	tgggtggctca	cacctataat	66000
cctagcactt	tgggaggccg	aggcaggtag	atcacctgag	gtcaggagtt	cgagaccaac	66060
ctggccaaaa	tggtgaaacc	cctactctac	taaaaaatagc	aaaaattagc	tgggggtggg	66120
ggcggacacc	tgtaatccca	gctactctgt	aggagagtc	aggagaatca	cttgaaccgc	66180
ggaggcagag	gttgacagtga	gccgagatcg	caccactgca	ctccagcctg	ggcaacaaga	66240
gcgaaactcc	acctcgaaaa	aaaaaaaaaaa	aaaaaaagag	ggccggggct	gggcgcagtg	66300
gctcacgcct	gtaatccag	cactctggga	ggccaaggca	ggagaattac	gaggtcagca	66360
gacgcagacc	agcctgacca	acatggtgaa	acccctctc	tactaaaaat	acaaaaatta	66420
tcgggtgcgt	gtggcgacaca	cctctagtcc	cagctacttg	ggaggctgag	gcaggagaat	66480
cgcttgaacc	cgggaggcag	aggttgcagt	gagccgaaat	catgccactg	cactccagcc	66540
tgggtgacag	agtgcagactc	cgtctcaaaa	aaaaaataaa	aaaaaaaaaa	gaattcaaaa	66600
attgtagagt	tatagtgtgc	ttctagttta	gttgagagga	catctgtcct	tcaaggaagg	66660
ctagaatcta	tacctgagt	ccttactgaa	atcaatccag	cagtcaaaaac	atgggaccaa	66720
cgatcacagc	agtaagatag	gaagagcacc	tttgtacatt	tagctcatgt	tgagataagc	66780
cactgacaga	gctgaaggaa	gctcacagtt	ctgggttcca	tcctttggca	tttaaaaaga	66840
aaagtgctaa	gaaaattcgg	ttggtcacgg	tggctcacgc	ctgtaatccc	aacactttga	66900
gaggcccaagg	caggcagatc	acgaggtcag	gagttcgaaa	ccagcctggc	caacatgggtg	66960
aaaccccgtc	tctactaaaa	acagaaaaat	tagccgggca	tgggtggcgca	tgccataaat	67020
cccagctact	caggaggctg	aggcaggaga	attgcttgaa	cccgggaggg	ggagggttgca	67080
gcgagtgaga	gcaggccact	gcactccagc	ctgggagaca	gagcaagact	ctgtctcaaa	67140
aaaaaaaaaag	aaaaaaaaaga	agaaaggaaa	aaaagaaaga	aaaaaaaaaga	aaaaagaaaa	67200
ttcaggccag	gccaggcctg	gtggctcaca	cctgtaatcc	caacactttg	ggaggctgaa	67260
gcgagacggg	gccttagccc	aggagtttga	gaccagcctc	agcaacatag	cgagaccctg	67320
tctctataaa	aaaaaatttt	tttttgccca	gacgcagtg	ctcacgcctg	taatcccagc	67380
actttgggag	gccgaggcag	gtggatcacg	aggtcaggag	atggagacca	tcctggctaa	67440
cacggtgaaa	ccccatctct	actaaaaaat	acaaaaaat	aaccgggcgt	ggtggcgggc	67500
gctctgagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	67560
gagcttgacg	tgagccgaga	ttgcgccact	gcactccaga	ctgggagaga	gtgagactcc	67620
gtctcaaaaa	aaaaaaaaaaa	aaaaaaaaaat	taattgtcag	gtgtgctggc	atgcagctgt	67680
agtcttagct	actcgggagg	ctgaggtaag	aagatcgctt	gagcccagga	gttcaaggct	67740
gcagtaatat	tgctctcac	tctaccctgg	gtgacaatga	gaccctctct	caaaaagaaa	67800
gaaaaaaagg	aaagaagaaa	agaaagaaa	aaagagaaga	aaggaaggaa	gaaagaaaaga	67860
aaaagaaaaag	gaagggaagg	agaagaaaaa	aaaagaaaga	aagaaaaagag	agagaagttc	67920
aaagaccaa	gggtcaggat	cccaaaatag	tttttatgtt	ttatttattt	atttacttat	67980
ttatttttga	gacagtatgg	ctctgtcgcc	caggctggag	tgcagtgatg	cgattgcggc	68040
tcactgcagc	ctccaaactc	ggctcagggt	gcctcccac	ctcagcctcc	cgagttagct	68100
ggaccacagg	cgctgcccac	catgcccagc	taatttttta	attctttgta	gagatgaggt	68160
ctctatatgc	tgcccagggt	ggctctcgagc	tcctgggctt	aagccatcca	cccgcctggg	68220
cctcccaaag	tgtctgggatt	acagaagtga	gccaccgcgc	ctaactcgggt	ggtttgtttg	68280
tttattgacg	gggtctcgct	gctgcccagg	ctggagtgc	agtggctgtt	cacagggtgca	68340
gtcctggagc	attgcacacg	ctcttgggct	tagcgatcc	tccagagtag	ctgcagctgg	68400
gattccaggc	gcggccaccg	gcggggctca	gaatgggttt	ttatattgag	ggttatgctg	68460
ccacctagag	gatatatgta	gtaccgaact	gtgtgcgcag	ggaggctgag	gttgacgtga	68520
gccaagatga	tgccagggca	ctccagcgtg	ggtgacagag	caagatttca	tctcaaaaaa	68580
aaaaaaaaaaa	aaaaaaaaaaa	aagaattgaa	agtaaggctc	tgaagagata	tttgtgcttg	68640
tatggtcata	gcagtattaa	ctttgaccca	ctagctaaaa	cacaaaagca	acatgtgtct	68700
gtcagcaggt	gaacggatga	acaaaatgtg	gtatatatgt	acaattgaat	attattcagc	68760
ctttaaaaaag	gaataaaaagg	ctggatgcgg	gggtcacgc	ctgtaatcct	aacacttttg	68820
gagactgagg	tgggtggatc	acccgagggt	aggagtttga	gaacagcctg	gccaacatgg	68880
tgaaacttca	tctctactaa	aaatactaaa	attagccggg	catggtggca	cttgtctgta	68940

atccaagcta	ctggggaggc	taaggcagga	gaattgcttg	aactcaggag	ccggagggtg	69000
cagtgaagta	agatggcacc	actgcactcc	agcctgggca	acagagtga	actccatctc	69060
aaaacaaaca	aacaaaaaat	tattatttcc	aaagaaacaa	gacctgggt	ccatttccca	69120
gcccacacct	gatgttgact	cacaacacac	agcctgggtt	gctatgagcc	tgcttcattt	69180
aattgtcacc	ttaacttcac	atcacctca	agtccctgaa	taactctttg	ctgacctttg	69240
tgtgtcagc	catctccatg	tcgctcaacg	tgcagtccct	ctcactgcac	tgagtcaata	69300
gccagacgtg	gtctgactgc	agggtcatcc	ttggtggctt	aggctgactc	gggcatagca	69360
gggtgctctg	agacctcacc	gcatataggc	tttgcccca	ataaactcta	tataatatct	69420
atattatgtg	gtctgggtgt	gtgtagcttt	gcactgtctt	ctcgtgacag	tgccctcaac	69480
ctctttccca	ggatttcctc	ctctacctcc	tcaagtccca	ctgctctgca	aagacaaaaa	69540
gctgcagagt	cccagctccc	tcctttacac	cccacgacgc	agcctcctct	ctcagaaccc	69600
tttaaacaga	gtcttttact	gcagatccca	agaacagcca	cacctctctc	tcccaccac	69660
tccagacaca	cccaggtaat	tatagcacc	agggttaacta	tgtagatgga	gtccctggaa	69720
catgtggata	gtgccccctg	ggagtatgca	aaagcaacat	tgctggcacc	tgagagaaac	69780
agggtgacat	ccaggaatca	gagcatgggc	ctctgggagg	tagggatgtg	gccaggcagg	69840
ctgccaataa	ttggtagagc	aaggccacag	gatctttctg	accttccttc	caaacagagg	69900
ctcctgtact	gggtgatccct	gtgttgattg	accactccct	tcctgggggt	cgtgggtctct	69960
gtcccagttg	cccggacttc	tgtgagtgtc	ctactgaggt	ccttttcatg	agaagcatgc	70020
tgtccttcca	cctgctggga	gcaagagtga	caacttcaat	actataatag	cagtggcata	70080
cagagaagaa	gaaagatgaa	gtggcaagaa	aaacaggctt	ccaagcagga	gtttttctat	70140
aaaaacaaaa	acgtttacaa	gcaaaactttt	tataaagggc	tagatagtaa	atattttagg	70200
ctttgagagc	cacatagact	tgtttgagg	gactcaatgt	cgctattgta	gtttgaaagc	70260
agccatcagg	gttatgtaaa	tgagttagtc	tgattttgtt	tcagcaaaat	tttatttacc	70320
aaaacagaca	atgagtgggc	tggatttggc	ccatgatcct	tagtttgcca	actcctgctt	70380
tgggctcacc	cagatctgat	tttgaattct	ggctctgcta	ctggttagct	gcaggagcct	70440
ggaaggctct	ctgagcctgt	ttcctcatct	gtaaaattaa	agcaataatt	tctaactctc	70500
aagagtgtta	cctcacgcct	gtaatcccag	cactttggag	gctgaggcag	gcggatcacc	70560
tgaggtcaga	agttcaagac	cagcgtggcc	aacgtggcaa	aacctgtct	ctactaaaaa	70620
atacaaaaag	tagccgggca	tgggtggcgc	catctgtaat	cccagctact	tgggaggctg	70680
aggcagggat	actgctagaa	cctgggagg	ggagcgtgca	gtgagtggag	atcacacctc	70740
cacactccag	cctggccgac	agagcgagac	tccatctcaa	aaaaaaaaaa	aaaaagagt	70800
ttagaagggt	ttgagataat	gaataaaaga	tgccttgtgt	atactaagta	ttcaacaact	70860
gatagctgca	ttggtctaat	tataacagtt	tagaagcgat	tgagtcaaca	aatgctggat	70920
ttgtcaggga	ggacttccta	tcaggaggta	gatcttgggc	tgagtccctga	agcaagata	70980
ggcattggat	agaggagtgt	agagaacacc	ctaggactgt	tattattatt	attcgacacg	71040
gagtctcttg	ctctgtcacc	caggctggag	tgcagtggcg	cgatctcggc	tactgcaac	71100
ctctgcctcc	caggttcaag	cgattctcct	gcctcctaag	tagctgagac	tacagggtgtg	71160
tgccaccaca	cccggcta	ttttatattt	ttagtagaga	cagagtttca	ccatgttggc	71220
catgctggte	ctgaactcct	gacttcagg	gactcacccg	cctcagcctc	ccaaagtgt	71280
ggaataacag	atgtgagcca	ccgcaccag	cccagaacca	tttttcaatc	cttggctctg	71340
ccttttatta	gctgcaagat	ctcaggcaat	ttatttaacc	tctccaaaga	ctcattttct	71400
cattcacaaa	atgaggcaaa	taataaatatc	tactatccca	ggttgtcatg	agaattaaat	71460
gcaacatgac	atttaatgaa	atgagaagtc	ccttggacat	taactggcta	aagtatgtgc	71520
tcgacaagga	tatcatttta	gggtgatatt	tagcatctca	gaactgatgc	tcacaatgga	71580
atatcattga	aacgcattaa	aattcatttt	aaatgattgt	aggtagtgag	gcaattgaaa	71640
gaagaagaca	agaggactga	ttataatgct	tcaggctcac	tagtctcctt	ttaggaggga	71700
aaaacaattt	caagttaaat	tttaggctct	agatttttac	ccctgctgct	cattagaatc	71760
acccagattg	atgaaatcag	agcccatctg	aggctgtgtt	tttcatctcc	agaatgagag	71820
ctgtttgtgg	gattaaagtt	ttgaaaaagt	acatctaaca	ggtgatcgaa	aatgatagt	71880
atattattgc	agtgatggtc	attattgttg	ttattattat	actgaaagag	gcttcagtgt	71940
tctgatccat	aaagtgagg	aattgcatga	gaccattgct	aagattcctt	ctagctctgt	72000
ttttttgttt	ttgtttttta	gacagagtct	ctgtcgccca	ggctggagt	caatggcatg	72060
atcttggctc	actgcaacct	ccgcctccc	ggttcaaagt	atcctcctgt	ctcagcctcc	72120
gaagttagctg	ggactacagg	cacacaccac	catgcccagc	taacttttat	atttttaata	72180
gagggtgggt	ttcaccatat	tggctcaggct	ggtctcaaac	tctgacctc	agggtgatcca	72240
cccgcctcgg	cctcccaaca	tgctgggatt	acaggcatga	gccactgtgc	ccaacccctt	72300
ctagctttct	tgatcaactga	ttctagggtt	ctctgctgaa	atatatttga	gacatcctgg	72360
ataaaagatc	atgcaagagc	tcccaatatg	gtattaataa	ttgattctgg	aggcttagct	72420
actcctgatg	gactcaactg	cctctcttat	cctctcttat	gtgtacaaca	caacaacaca	72480
accaagaaag	gttattctgg	cattccattt	attcagttta	tttacagccc	ttacttccag	72540
cagcacgtta	aagatatggc	cagggccggg	tgcagtggct	caagtctgta	atcccaggac	72600
tttggggaggc	caaggtgggc	ggatcacaag	gtcaggagtt	tgagaatctg	gcaattcttc	72660
agacttagaa	tcataacagc	cgataacaca	gtctgtgtg	ggctctccct	ctgtccctcc	72720
ctcgcttccc	tcattttctca	tccttgcccc	tgagactgtg	caccttcaca	tagccctgcc	72780
atgagacctt	catctcaggc	tttgctttct	ggggttaactg	aggctaataca	ctgagtggcc	72840
ctaaaagagg	attgggattt	ggaagttaga	ttattcacca	gagaacagac	tttgctgatg	72900
atcaggccca	ggttgtaatt	gttgaaaaaa	agagaggatg	catagtctta	tctcatctcc	72960

tagtcaaagt	caacaccatg	ataaataaga	gtcaaatacct	gagatgtgaa	ttggggacat	73020
ttgagtggtt	aaccttgaga	agcttgcacc	ttcagacccc	tcaatacccc	tgctccccag	73080
agaaggctgg	acattgacct	cagcacaggc	aggagccctg	caagatgcca	tttgtccctac	73140
taaagatgga	cccctccact	ctgtttctag	gtaaataacc	aaagtcaagt	ctccacacag	73200
cctgagcaag	aaagtcagag	cctgctacag	gagaaaatac	cacactggcc	aaaggattca	73260
ctagccctgg	ccactgtgtg	tgggaggaac	caggggaatca	tgtgtggggag	tcaatgttga	73320
agctgttggg	ctgggggtgg	ggtggaatat	aagcctggcc	ctggggagtt	tttcccgttt	73380
gagggccttt	accacaact	caagatccag	tgctatagca	ggagatccca	gagctagtcc	73440
taacagatgg	tcaggattga	acttggccta	gagtaaaatg	aggaggatag	tgccagaact	73500
ttctcaacat	actattgagg	aagaggtcag	aaggcttaag	gaggtagtgt	aactggaaag	73560
gggtcctgat	ccagacccca	ggagagggtt	cttggacctt	gcataagaaa	gagttcgaga	73620
cgagtccacc	cagtaaagtg	aaagcaattt	tattaaagaa	gaaacagaaa	aatggctact	73680
ccatagagca	gcgacatggg	ctgcttaact	gagtgttctt	atgattattt	cttgattcta	73740
tgctaaacaa	agggtggatt	atttgtgagg	tttccaggaa	aggggcaggg	atttcccaga	73800
actgatggat	ccccctctt	ttagaccata	tagagtaact	tcctgacgtt	gccatggcgt	73860
ttgtaaactg	tcattggccct	ggaggggaatg	tcttttagca	tgttaatgta	ttataatgtg	73920
tataatgagc	agtgaggacg	gccagaggtc	gctttcatca	ccatcttggt	tttggtgggt	73980
tttggccggc	ttctttatca	catcctgttt	tatgagcagg	gtctttatga	cctataaact	74040
ctcctgccga	cctcctatct	cctcctgtga	ctaagaatgc	agcctagcag	gtctcagcct	74100
ttggattacca	tggagtcgct	ctgattccaa	tcctcttgac	agcaggaatg	ttggaattga	74160
attactatgc	aagacctgag	aagccattgg	aggacacagc	cttcattagg	acactggcat	74220
ctgtgacagg	ctgggtgggtg	gtaattgtct	gttggccagt	gtggactgtg	ggagatgcta	74280
ctactgtaag	atatgacaag	gttttctctt	aaacaggctg	atccgcttct	tattctctaa	74340
ttccaagtac	caccccccg	ctttctcttc	cttttctctt	tttctgattt	tactacatgc	74400
ccaggcatgc	tacggcccca	gctcacattc	ctttccttat	ttaaaaatgg	actggggctg	74460
ggcgcggtgg	ctcatgcctg	taatcccagc	actttgggag	gccgaggcgg	gcggtcatg	74520
aggtcaggag	atcgagacca	tcctggctaa	cacggtgaaa	ccccgtctct	actaaaaatg	74580
caaaaacatt	agccaggcgt	ggttgcagg	gcctgcagtc	ccagcggtct	aggaggctga	74640
ggcaggagaa	tggcgtgaac	ctgggagggtg	gaggttgcaa	tgagccgaga	ttgtgccact	74700
gcactccagc	ctgggtgaca	gagcgagact	ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	74760
tagctgggca	tgggtggcgg	tgctgtaat	accagctact	ctggaggctg	aggcaagaga	74820
atcgcttgaa	cccagtaggc	ggaagtgtga	gtgagccgag	atcttgacac	tgcaactccag	74880
cctggtgaca	gagtgagact	ctgtctcaaa	aaaaaaaaaa	agaaaaaaaa	agacagaaag	74940
aaagagcaca	gacagagtca	caggtatttg	cagttagaag	ctgtcagggt	agagtgcacg	75000
gaaatagaaa	gtatatttta	cacttacagc	acatctcg	ttgattagcc	acatttataa	75060
tactgaatag	caacgtgtgg	ctatttagta	ttcactaaaa	tcttggacag	tgcaagtcta	75120
aagaatcctt	gatccgtccg	gcatggtggc	tcacgccttt	aatcccagca	ctttgggagg	75180
ccaaggtgga	aggatcactt	aaggtcagga	gttcgagacc	agcctggcca	acatgggtga	75240
acctcgctct	tactaataat	acaaaaaaaa	ttagccgggc	atgggtgggtg	atgcctgtaa	75300
tcccaggtag	ttgggagggt	gaggcaggag	aatagcttga	atccaggagg	cgctgcagtg	75360
agccgagatc	atgccatgcc	actactgcac	tccagcctgg	gcaacagagt	gagactgtct	75420
caaaaaaaaa	aaaaaaaaatg	ttgggcgtgg	tggctcacgc	ctgtaatccc	agcactttgg	75480
gaggctgagg	gggggtggatc	acctgggttc	tggagttcga	gaccagcctg	gccaacatgg	75540
tgaagcccca	tctctactaa	aaatacaaaa	attagctggg	cgtgggtgggtg	ggcactgtga	75600
atctcagcta	ctcaggaggc	tgaggcagga	gaatttcttg	aaccaggagg	gcagagggtg	75660
cagttagcca	agatcgcgcc	tctgcactcc	atcctgggtg	gcagagcaag	actatgtctc	75720
aaaaaaaaaa	aaaaaaaaatac	ttgattgtct	ggacattctg	cagaacatca	tatggagaca	75780
ctatgttgac	gacatcatgc	tgattgtgaag	caagaaatgg	caagtgttcc	agaaacacag	75840
tcaagacaca	tacatgccag	aagggtgagat	ataaactcta	ctaagattca	gtggcctgcc	75900
acactggtga	cattttttaa	cctgctagat	gtttgtgtag	aaaaggattt	aaccttgccc	75960
aaagaggggt	ctggcctttg	tccccagcta	ctggacataa	tctcttttaa	ctcttgaaat	76020
atcattcctg	atagaagtat	ttttgttttg	actagggggc	ttggggccagc	cagatagcaa	76080
caatgtgatc	tgggttgggg	gctttggatc	aggtggcatc	agtgtgacct	cctgagtggtg	76140
tagagactag	aatcaaccac	atgggcagac	aaccagctt	acatgatgga	attccaataa	76200
agactttgga	cacaagggtc	tgggtgaagct	ttcctgggtg	gcaatgctct	atactgggaa	76260
acccattctg	actccatagg	gagaggacaa	ctggatattc	tcatttggtg	cctccctggg	76320
ctttgcctta	tgcatTTTTT	ccttgtctga	ttattattat	tattatgaga	tggaaatctcg	76380
ctctgtcacc	caggctggag	tgcaagtggaa	tgatctcaac	tcactgcaac	ctctgcctcc	76440
ccggttcaag	cgatttttct	gtctcggtct	cccgagtagc	tgggactaca	gatgcatacc	76500
accacacccg	gctaattttt	ttgtattttt	agtagagacg	gggtttcacg	ttagccagga	76560
tggtctcgat	ctcctgacct	catgttccgc	ctgcctcggc	ctctcaaagt	gctaggaata	76620
catgtgtgag	ccaccgcgcc	cagccccctt	ggctgattat	taaagtgtat	ccttgagctg	76680
tagtaaaatta	tataacgtgaa	tataacagct	tttgtgaggt	tttgtgagca	cttctagcaa	76740
attatcaaac	ctaaggatag	ccttggggac	ccctgaactt	gcagttgggtg	tcagaaataa	76800
gggtgtcat	gtgtgtacca	tgccctctaa	ttttgtagtt	aattaacttt	cacaacttta	76860
ttattaccgc	ttacactcaa	tgtttattca	catttatcca	cataccactt	attctagtgc	76920
cttgcacata	agacttttcta	tctcatgtac	tttattctgc	ttgaagtaaa	tccttttagga	76980

tattcttttt	tttttttaaa	ctttgcacat	acatactttt	attttttatt	tatttttaat	77040
tttgttattt	ttgtgggtac	gtagtagata	tatgtattta	tggagtacat	gagatgtttt	77100
gatacaggca	tgcaatgtga	aataagcaca	tcattggagaa	tggggtatcc	atcctctcaa	77160
gcaatttatc	cttcaagtta	caaacaatcc	aattacactc	tttaagttat	tttaaaatgt	77220
acattttaatt	ttgtattgac	tagagtcact	ctgttgtgct	atcaaatata	attttttttt	77280
tttttgagac	agagtctcac	tcagtggccc	agactgaaag	tgcagtggca	caagctcggc	77340
tcactttcaat	ctctgcctcc	ctggttcaag	cgaatctcct	gcctcagcct	cccacatagc	77400
tgggattaca	ggcacacacc	accatgcccc	gctaattttt	atattttttt	agtagagacg	77460
ggttttcgcc	atgttggcca	ggctggctct	gaactcctgg	cctcaaataga	tctgaccacc	77520
tcagcctccc	aaagtgttag	gattacaggg	atgagccacc	acacctggcc	aaaatagaat	77580
attcttttagt	gaggtctgct	ggtgacaatt	tttttctttt	ttttgagact	gagctcgcct	77640
gttgtcagct	tgggctggag	tgcaatagca	cgatctcagc	tcactgcaac	ctccacctcc	77700
cggattccag	caattctcct	gcctcagcct	cccaagtagc	tgagagatta	caggcaccca	77760
ccaccacacg	cggctaattt	ttgtattttt	agtagaaatg	gggggttacc	gtgttggcca	77820
ggctggctc	gaactcctga	cctcaggtga	tccacccacc	ttggcctccc	aaagtgtcgg	77880
gattacaagc	atgagccacc	acgcacagcc	aatttttttc	gtttttgtct	gaaatcttat	77940
tttgtgtcat	ctttgaaata	tattttttag	ggatataaaa	ttgttgggtg	atagttatta	78000
tcattatttat	tattattttg	agacagggtc	tcactctggt	gcctatgctg	gggtgtagta	78060
atgtgatctc	ggttcactgc	agacttgacc	tcctagggtc	cagggtgatct	tcccacctca	78120
gcctccctag	tagctgggac	tacagatgca	tggccaccata	cccaactaat	ttttcttatt	78180
ttttagagag	tgaggctttg	ccacatttcc	caggctgggtc	tctaactcct	gagctctagc	78240
aatccaccca	ccttggcctt	acaaagtgtc	gggcatgac	tagccagcag	ttacttttta	78300
tagcatattg	aatattttaat	atgaatcttc	tggcatccac	tgtaactggt	taaaaaatca	78360
gctgtttact	tggcactcct	tttttttttt	ttttttttga	gacagagtct	tgccctgtcg	78420
cccaggctgg	agtgcagtg	cgtgatcttg	gctcactgca	agctctgcct	ccggggttca	78480
cgcattcttc	ctgcctcagc	ctccggagta	gctgggagta	aaggcgcccc	ccaccacgcc	78540
cggctgattt	ttttgtattt	ttcgtagagt	tggggtttca	ccgtgttagc	caggatgggtc	78600
tcgatctcct	gacctcgtga	tctgtccgcc	tcggcctccc	aaagtgtcgg	gatttataggc	78660
gtgagccacc	gcgcccagcc	tctttttttt	tttttttttag	acggagtctt	actctgtcat	78720
ctaggctggg	gtacagtggc	gtgatctcag	ctcagtgcaa	cctccacctc	ctgcctcagc	78780
ctgccaataa	gctgggatta	caggtgcgta	ccatcacgcc	cggctaattt	ttgtattttc	78840
agtagagatg	gggtttcacc	atgttagaca	ggctgggtctc	gaactcctgg	cctcaagtga	78900
tctgcctgcc	ccagcctccc	aaagattaca	ggcatgagcc	accgcacccg	gccaagttagc	78960
actcctttga	aggtaatctg	cttcccctac	ccctaagcaat	ttttaacaat	ttttcttcat	79020
ttttatttcc	tgaagttttg	ttattaataa	tctgtgtgca	gattttcttg	tatttctttt	79080
gtttgcagtt	catagtgtat	cctgaattag	tgtgttgggt	tctgttatca	ccacaggaaa	79140
attgtcagcc	gttagctttt	caaatatttc	cctgtctaat	tctctcttct	cccctttcgg	79200
tacaattgat	ttgattaaaa	ctaaaaccag	ggccgggtgc	agtgtactcat	gcctgtaatc	79260
ccaacacttt	gagaggctga	ggcaggtgga	tcacctaacg	tcaggagttc	aagaccagcc	79320
tggccaatat	agtgaaaacc	cgtctctact	aaaaatacaa	aaattaccag	gcattgggtgc	79380
acacatttgt	agtcaggagg	ctgaggcagg	agaattgctt	gaatccagga	ggtggaggtt	79440
gcagttagct	gagatcccac	cactgcagtc	tggcctgggc	gacagagtga	gatgagaatc	79500
tgtctcgaag	aaaaaagtta	tgaatgtttg	ataaaactata	tttgttagaa	tgtttgttgt	79560
agaatactat	tcaattgatt	ttaaacaatg	ttagattaaa	ccattcactg	gatttgtgat	79620
aattaactta	ctgattttac	ctcactgatt	tgttgaattt	aatacaactg	gtataaaaaa	79680
actgtgacga	ggccgggcat	ggtggctccc	gcctataatc	ccagcacttt	gggaggctga	79740
ggcaggcgga	tcacctgagg	tcaggagtgc	aagaccagcc	tgaccaacat	ggtgaaaccc	79800
catctttact	aaaaatacaa	aattagccgg	tcgtgggtgg	gcattgcctgt	aatcccagct	79860
cctcgggagg	ctgtggcagg	agaatcactt	gaaccgggga	ggtggagggtt	gcagttagcc	79920
gatatacgcg	cattgcactc	cagcctgggc	aacaagagcg	aaactccgtc	taaaaaaaaa	79980
aaagaaaaaa	aacacataaa	acaaaacaac	actgtgacgg	ttcccaaaaa	ttaggagcat	80040
aattaaagga	actcctgata	aaaatttaatt	ttatcttaca	tgtaaaactaa	aatgacttta	80100
tgaagttaat	tcagaaatac	aatgcagggt	attagtttgc	cacagctgcg	tattcagcct	80160
aatgtaatat	tcttgtttatt	tttaaattct	tcttttaact	ttactcatat	gtggatcatc	80220
aaatttcaaa	agattaaatg	acaatactct	tagcagcaag	cttccctaag	catataaaca	80280
ttttaatggg	tgatgattca	gaaggtagcc	gaagaatatg	tactgccaga	tatcattcac	80340
ccccatatac	ctgcccagca	gacatcccat	tttgggaccc	tggataaatg	tgtgggtgga	80400
gagaaagata	ggagaaagtg	gtataagcaa	atggctttgg	agtctgattg	acagcgattg	80460
aaatcctgtc	tctacctctt	aacagcctca	tgatcctaca	taagttaccc	cgatcctcag	80520
ggccacatct	gtaaattggg	ggttgcgatg	gcagccatct	cacagggtct	cttttcgggg	80580
aagggcagga	attatggatt	aagttaggta	gtaattgtta	agcacttaat	acaaggaggg	80640
cgcataataa	gtacttcata	aataatgacg	gccattatca	tgactgaggt	gtatgcagct	80700
gtcggggatt	acggcgactt	cagaatttct	ggtgggcagg	gctcaaaggc	agcaaatcac	80760
actggaagtc	gaggtgaggg	actgcttctg	cacagactgc	ttagctggag	agaatgagga	80820
aggcttagag	gagatttaga	ggaacttaga	gtcctccgcc	tccaactctg	tgggatctgc	80880
tcccgtgcca	gagacattca	ggggatttct	cgcactctcc	cctcccttac	gtccctcccg	80940
ccccatccaa	ctaaccacac	aacacatata	aaatagcccc	tgcgaggttc	tgcacgctgg	81000

aagggaacag	gagaagggcg	ctgcgctttc	ttgctgatgc	cctgtacttg	ggccccctggt	81060
agacacagcc	acttggtcccc	tcagcctgca	gagaaatccc	acgtagaccg	cgccccgggtc	81120
cttggtctca	gccaatctcc	ctttggtggg	gggtgggatgc	acgatccaag	gtttttattgg	81180
ctacagacag	cggggtgtgg	tccgccaaaga	acacagattg	gctcccagagg	gcatctcgga	81240
tccctgggtg	ggcgccgctc	agcctcccgg	tgcaggcccc	gccgaggcca	ggaggaagcg	81300
gccagaccgc	gtccattcgg	cgccagctca	ctccggacgt	ccggagcctc	tgccagcgct	81360
gcttcgctcc	agtgcgcctg	gacgcgctgt	ccttaactgg	agaaaggctt	caccttgaaa	81420
tccaggcttc	atccctagtt	agcgtgtgac	cttgagcagt	tgactttatt	tttcagtgcc	81480
tagttttcca	gataccagga	ctgactccaa	ggactattac	tcatctggag	ggttttagcac	81540
agtaccgtcg	catagtaaat	ttccatgtca	gtttttggtta	cctttcatgc	acttgcaaac	81600
atgccatgct	ctgaaacgaa	ataggcacat	cttttttttt	ttttttttta	aggagtcttc	81660
ctctcgccca	ggctggagtg	cagtggcgcg	atcttggttc	actgcaacct	ccacctcccg	81720
tgttcgagat	tctcctgcct	cagcctcctg	attagctggg	actacaggca	tgccacgacg	81780
cccagttaat	ttttgtattt	ttagtagaga	cggggtttcg	ccatcttggc	caggctggtc	81840
taactcctga	cctcaggtga	tctgactgcc	tcagcctctc	aaagtgttgg	gattacaggc	81900
ataagccact	gcacctggcc	agaaatgaaa	taagttaaate	ttttaacctg	ctctaacaat	81960
atagtgaaaa	gaccatatta	ttattagagc	aggttaaggg	atttgccat	ttcgggttct	82020
agttatagtc	ttaaacttgg	acattcttgt	agaaagtaaa	aagtttcctc	ttcaaagttc	82080
cccttcttgt	taaagaatac	atcataagtg	ttagaagtaa	tagttttatt	taaagactaa	82140
ctttcttcaa	gcctccttgc	tttgtgctaa	cttctctttg	ttaagcccta	tccttagtaa	82200
ctgttgagag	tgctcacagg	cacgttccag	ttcacagcct	atgccccctc	cttatttgga	82260
aatgttattg	cttccttaaa	cctttcggta	agcaacttcc	tctccttctt	cgttcttctt	82320
tgcacttacc	tatttagaaa	gttttaggct	attagcaaat	cggtatcag	tttaagagtg	82380
tgagggtccg	ctccagccaa	tggtatgcagg	acatagcagt	gaggacgacc	caaatgcgta	82440
agggtataat	atgttttgtt	ttccttttgt	caggtgtgct	ctcgacatcg	ttcatctgac	82500
gattgagcac	cctttctgca	gaaagttaag	attgccttgc	tgagatctt	ttgtctccgt	82560
gctgactttt	cttcgtggca	ccgattatct	atttctaaca	attttgggat	ttctaacatt	82620
ctgaacaatc	ttgggctagt	tgtctcttct	gggcctgttt	ccccatccgt	cacatgataa	82680
acttcatagg	tttaaaaaacc	ccagcgaaca	tttattagtg	tactattacc	ttcctgcctt	82740
cccccaaccc	aacccccagg	agcagttaca	acctcagccg	ctgagcgcac	tcgccgggtg	82800
ttaagaagca	ccaaagacag	ggaggcttga	ttgattttgc	tttgggagta	gagggtcaga	82860
agattcacag	gaaaatggca	tttgagcaag	gatgattcac	tgagagctagc	ttttaaatat	82920
tgggcgaggct	tttatgttgc	agtcctttac	aaagttagagc	attcgagagg	actgcactcc	82980
gaaataagcc	cgcttcccct	tttcattcgc	taatgatcca	gggagctgct	ggttccgcat	83040
gcggcagggt	gtgccttttc	ctaatacagg	ttctgcattc	cctcgaaccc	caggccgtg	83100
gcgggttctc	ctgaggaagc	agggactggg	gtgcagggtg	aaagtgtcgc	tgccggccag	83160
cgctgtgag	caaaactcaa	acggaggagc	aggaggggtc	gagctggagc	gtggcagggt	83220
tgacctgtcc	ttttagaagg	gcacaatttg	aagggtaccc	aggggcccga	agccggggac	83280
ctaaggcccg	ccccgttcca	gctgtggga	gggctcccgc	cccaggagtg	tagttttgca	83340
gagactgggt	ctgcagcgct	ccaccggggg	ccggcgacag	acgccacaaa	acagctgcag	83400
gaacggtggc	tcgctccagg	cacccagggc	ccgggaaaga	ggcgcgggta	gcacgcgcgg	83460
gtcacgtggg	cgatgcgggc	gtgcgcccct	gcacccgcgg	gaggggggatg	gggaaaaggg	83520
gcggggccgg	cgcttgacct	cccgtgaagc	ctagcgcggg	gaaggaccgg	aactccgggc	83580
gggcggcttg	ttgataatat	ggcggctgga	gctgcctggg	catcccaggg	aggcgggtgg	83640
gcccactccc	ggaagaaggg	tcccttttcg	cgctagtgcg	gcggccccctc	tggaacccga	83700
agtccggggc	ggttgctgaa	tgaggggagc	cgggccctcc	ccgcgccagt	ccccccgcac	83760
cctccgtccc	gacccggggc	ccgccatgtc	cttcttccgg	cggaagggtta	gctgaggggg	83820
cgccggccgg	gagtcaggcc	gggcctcagg	ggcgccgggtg	gggcagggtgg	gcctgcgagg	83880
gctttcccca	aggcggcagc	aaggccttca	gcgagcctcg	acctcgccgc	agatgccccc	83940
tgagtgcctt	gctctgctcc	gggactcttc	tgggaggagag	aagggtggcct	tcttgccgca	84000
ggtcagagga	gtattgtcgc	gctggttcag	aagcgattgc	taaagcccat	agaagtctct	84060
gcctgttttg	ttaagaacag	ttcttaggtg	ggggttagtt	tttttgtgtt	tctttgagga	84120
ccgtggatca	agatcaagga	aatctcttta	gaaccttatt	atggaagtct	gaagtttcca	84180
aatgttgagg	gttttatgtc	taaaagcaac	acgtgaaaaa	attgttttct	tcacccagtg	84240
ctgtcttcca	atttctctct	tggggggagg	ggtagttact	gctgttacta	aaataaaaatt	84300
acttattgct	aaagttcccc	aacaggaaga	ccactacttt	tgatgacttt	ggcaagtttg	84360
ctaactactg	gaaccctaac	ttacaaacga	actacttata	tttttgattt	ccagttgtat	84420
tacctgccca	atgtttacgt	agaaacagct	taattttgat	tctgggtaac	gttggtgcac	84480
ttcatataaa	atacatatcc	gaagtgcgca	agtatgggtc	tgtggacagc	agtgattttt	84540
cctgtcaatt	cctgttgctt	cagataaaat	gtaccagaca	gaggccgggg	gcggtggctc	84600
acgcctgtaa	tcccagcact	ttgggaggct	tggcgggtgg	atcacctgag	atcgggagtt	84660
caagaccagc	ctgaccaaca	tggagaaacc	ccgtgtctac	taaaaatata	aaattagcca	84720
gggtgggtgg	gcctgcctgt	aatggcagct	aattgggagg	ctgaagcagg	agaattcgct	84780
gaacctggga	ggcgagggtt	gcggtgagcc	gagatagcac	cattgcactc	cagcctgggc	84840
aaaaagagcg	aaactccgtc	tcaaaaaaaa	agtaccagac	agaaatgggt	tttgttttct	84900
ttttttgttt	tgagacggag	tttcgctctt	gttgcccagg	ctcgagtgcg	atggcgcat	84960
ctcagttctg	gctcactgca	acctctgtct	cccaggttta	atcgattctc	ctgcctcagc	85020

ctcccaagta	gctgggatta	cccattgccc	accatgccc	gctaattttt	gtattttttag	85080
tagaaacggg	gcttcacccat	gttaggctgg	tcttgaaccc	ctgacctcaa	gtgggcctcc	85140
cacctcgccc	tcccaaagt	ccaggattac	aggcatgagc	caccgcggcc	agccagaaat	85200
gggttttgga	aaaagcacta	aacaaaatcg	aacttggttt	catatgacag	ctctgctgct	85260
aactgtaaca	ggggcagacc	agttaaccta	cttttctgtc	ttctgtcagc	tgagaattag	85320
atgtattccca	aaggcccatt	gaactctgaa	tgacttttaa	tacttcttct	taagtgggta	85380
cacggttttg	gtaactgatg	ccagggtgatg	aatgcatgaa	agtgtttaat	gaatgaaacc	85440
ggtaaaatag	taggaggaag	ctttattgggt	aaggcagggg	tatacctaata	agctctctaa	85500
tttattggta	ttgaagtgggt	taacttttgt	ttttttaagg	ggggaaaaca	ttctaagaat	85560
aatgaggcaa	actgcatatt	gcacaagaga	ctgttgtctc	tattcaacaa	ataccttttg	85620
agtgtccaga	gtctgccagg	tgctgtgcta	ggccctcacg	attgagtagt	gaaccagaga	85680
atgtccctgc	acccatggag	cttattgtct	actggggtag	acagataata	aataagcaaa	85740
caaattcttct	ctcttctccc	tttcgctcca	tgtaagtgtg	tgtgtatagg	tgtatactta	85800
caagttgagt	aaagtgttat	gaaagattaa	gaggagaaat	gcattttgggt	tagatgttag	85860
aggactcagc	aggtgacctt	gaaacttaga	gctgaaggat	cagtaggagg	taactagaga	85920
ggccagggaa	tcgcatgttc	aaaggccagg	aggcaagaaa	gagcatgggtg	cccttcaaga	85980
gaggaaagaa	ggctactgtg	actggagcat	agatgtaggc	aagtgttggg	tgattgagag	86040
ctctacgggc	catgggttagg	ttttattcct	aatgccgaga	tgccaaacat	ggtgggtcat	86100
atctgtaatc	ccagtatttt	aggaggccga	ggcaggaata	tagcttgaac	ccaggagtct	86160
aagaccagcc	tgagcaacat	gagacctgta	caaaacattt	aaaaaattgc	tgggtatgat	86220
ggtgcacacc	tgttggtccca	gctactcagg	aggttgaggc	agaaggatca	cttgagccta	86280
ggaggtggag	gctacaatga	gccatatttg	agtcactaca	ctccagcctg	gatgacaaag	86340
tgagaccatg	tgtcaaacaa	aatacagaaa	gaatattaat	ttaaaatttt	gaaagaggag	86400
tgatctgaac	ttatatctta	aaaagatcat	tctagggcat	ggtgggtcat	gcctgtaatc	86460
aagggctttg	ggaggctgag	acaggaggat	cacctgaggc	cagttcgaga	tcaacctgta	86520
cagcatagag	agactccatc	tctacaaaaa	gaaaaataaa	atagctgggt	gttgtgagtt	86580
attcaggagg	ctgaagcaga	aagatcactt	gagcccagga	gtttgaggct	gcagtaagct	86640
atgatcccac	cactgcaaca	cagtgtgagtc	ttgtctcaaa	aaaaaaaaaa	aatcattcta	86700
ggtgcttttt	ggaggctgga	tgtggtaaga	gtagaagctg	gagatggtcc	tgttagggat	86760
tcgattcaga	ctttaaatat	catcaatgca	ttgagtccca	aatttacatc	actacgttgg	86820
atccttgccc	ctgaatccag	actggtatat	ccaactttag	gttcagtttg	tatctctacc	86880
tgaccaatat	agagggtgtcc	agtcttttgg	cttccttagg	ccacattgga	agaagaattg	86940
tcttgagcca	cacatagagt	acactaacgc	taacaatagc	agatgagcta	aaaaaaaaatc	87000
gcaaaactta	taatgtttta	agaaagttta	cgaatttgtg	ttgggcacat	tcagagccat	87060
cctgggcccgc	gggatggaca	agcttaatcc	agtagatacc	ttcaacttac	aatatctaaa	87120
attttatgcc	agatttagtc	attttaaac	tgctcatcag	tttttctcaa	gaagtagtat	87180
tttggtcttt	tttcttttct	tttttttgag	atggagtttc	gctcttatcg	ttcaagctgg	87240
agtgcagtgg	cggatcttgg	ctcactgcaa	cctccgcctc	ctgggttcaa	gtgattctcc	87300
tgcttcagcc	tcgcaagttag	ctggaattac	aggcatgcgc	caccatgacc	agctaatttt	87360
tgagacagg	gttggtcagg	gttggtcagg	ctggttttgt	actcctgacc	tcaggtgatc	87420
tgcttcgctc	ggcctcccaa	aggctgggat	tacaggcatg	agccaccgct	cccggctgca	87480
tttttggtatt	tttagttgct	cagcccaaaa	cttttagtaca	tctttgaacc	tcttctttcc	87540
tcctactcta	tatctgatcc	atcagcaaat	ctggttaggtc	tacctcacac	atatcgaaat	87600
cctaccacgt	ctcaccatct	gtgacaattta	acaccctggt	ctaggcagtc	atctctgtta	87660
agattgagtg	gttaaggatg	tcctctaagg	agatgacatt	caaattcttag	cttaaatgtc	87720
aagagggagc	tggtttttata	aagattgagg	aggcagcatt	attttgccat	aggcttccat	87780
ttgggtttcca	ttccattctt	gatacttatg	gtatatattc	aaaacaaatg	cacagaaaca	87840
gaccagagta	tattgggaat	ttcggatata	gagttcctag	ttgggaaaag	atagactgat	87900
ctgtaaatga	tgctagttaa	ccatcatctg	gcaaaaaata	atttctgccc	tcctctcata	87960
tatctcagat	caacagactt	tttctgttaa	gggcaaaatc	ataaatattt	taggctttcc	88020
agaccatatg	gtttctgtca	cactctcctt	tatccttgaa	gccatagaca	atatgtaaac	88080
aaatgggcat	ggctgtgcta	cgataaaaact	ttacttacaa	aaactggtag	tgggccaagt	88140
taggcatggc	cagcactttg	ggaggctaag	gcagatggat	cacttgggggt	caggagtttg	88200
agaccagcct	ggccaacatg	gtgaaaacct	gtctctacta	aaaatacaaa	aaatagctgg	88260
gcatgggtgg	gggtgtctat	aattccagct	actctggagg	ctaagacaca	agaatcactt	88320
gaaccagga	ggcagagggt	gcagtgtgct	gagatagcac	cactgcactc	cagccagggt	88380
gacggagtct	taaagcaaaa	caaaaacaaa	ggtagtgggt	tgtatttggc	ccatgggctg	88440
tagtttgcca	atccctgatg	cagaaacaaa	ttccaggtaa	ataagagcct	ggaatgttaa	88500
aaaaacaaaa	cttgaagtca	tgtagaagaa	caggttagggg	gaacaatcct	gatctcagga	88560
taggaaggga	tattgcttaa	aataagacac	aggaaaatat	aatccatggt	gtgtaaattt	88620
gactacgtta	aaacttaaaa	ctttcgccaa	gcgcggtggc	tcacgcctgt	aataaccagta	88680
ctttggggagg	ccgagggtgag	cagatcacca	ggtcaggaga	ttgagaccat	cctggctaac	88740
acgggtgaac	cccgtctcta	ctaaaaatc	aaaacattag	ccgggcgtgg	tggcgggcgc	88800
ctgtagctccc	agctacttgg	gaggctgagg	caggagaatg	gcctgaaccc	gggagcga	88860
gcttgacgtg	agctgagatc	gcgccactgc	actccagcct	gggcgacaga	gtgagattcc	88920
gtctcaaaaa	aacaaaacaa	aacaaagcaa	aaaacctaaa	actttcatat	aataaagtat	88980
acctaagata	cttctagaag	agaagattta	catccaggac	gtgtatggaa	tttctgcaag	89040

taataagtaa	aagacaaggg	acatgaagag	gcagttcaca	aaagaggaag	ccaaaatgac	89100
caataaacat	gaaaggatgt	ttaacctcaa	aggaaacaag	gaaatgaatt	aaaaacatca	89160
aatgccattt	caaaactagt	aagttggcaa	aattaaaaat	accaaggatg	agaatatgaa	89220
gcatggctat	atgagtgcat	ggaatggtac	agtcactttc	attaaaaatg	cacataattt	89280
gtttttttat	tattttttttg	agacagtcta	tgtcgcccag	gctagaatgc	agtgggcatga	89340
tctcggctca	ccacaactctc	tgccctcctgg	gttcaagcaa	ttctcctgcc	tcagcctcct	89400
gagtagctgg	gattacaggc	acatgccaca	acgcccgggt	aagttttgta	tttttagtag	89460
agacaggggt	ttgccatggt	ggccaggctg	gtctcgaact	cctgacctca	ggtgagctgc	89520
ttcccaaagt	gctgggatta	gaggcgtgag	ccaatgctcc	tggctgaaaa	aaatgcacat	89580
aatttgttac	ctagcaattc	catgtctaga	ggcttatcct	agagaaattc	ttgcttatat	89640
gcataggaag	acgtgtacta	gaatgttcac	tagttgaatg	tttaagtga	aattaggaaa	89700
taaagtaaat	gttcattaac	aggaaaatga	gtaaaaggat	atttataaaa	caattaagta	89760
gctaaaatga	ataaactaga	gctgcgtgaa	tgaactagaa	ctgggtcaat	agtcagtgtca	89820
gattattgaa	tgaatacagg	tcagatatgt	atagagtgtc	atttgtgtaa	ttaatttttt	89880
tttttttttt	gagatggagt	ctcactctgt	tgccagggtc	ggagtgcagt	ggcgtgatct	89940
cagctcactg	caacctccac	ctcctgggtt	aaagtgattc	tcctgcctca	gcctcccag	90000
tagttgggat	tacaggcatg	caccaccatg	cccagctcat	tttctatatt	ttagtggcca	90060
caggggtttca	ccatgttggt	caggctgggt	ttgaactcct	gacctcaagt	gttccaccca	90120
acttggcctc	ccaaagtgt	aggattacag	gcgtgagcca	ccgtgctcag	ccatttgcgt	90180
gattttttaa	gatgtgcaga	ataatgccat	taaaaaaaat	acacatacat	gtatatatat	90240
acacgtttgg	ctgggtgtgg	tggctcacac	ctgtaatccc	agcactttgg	gaggctgagg	90300
caggaggatc	acttgagccc	agggtgtaca	gactagcctg	ggcgagatag	caagacccca	90360
tctcaacaac	agaaaggata	attaggtatg	gtggcatgag	aggatcactt	gagcccagga	90420
gttcgagtgt	tatcaggcca	ctgcactcta	gcctggacaa	caaagcaaga	ccgtgtctca	90480
aaaaaataaa	aataaaaagt	atttgtatgt	ggctcatagtc	aaaaaacgta	catggaagga	90540
aaatgtcttt	atttatttat	ttattttttt	ttttttaaga	cagagtcttg	ctctgtcacc	90600
caggctgggg	tacagtgggtg	taatctcagc	tcaccgcaat	ctcggcctcc	cgggttcaag	90660
cgattcttct	gcctcagcct	tctaagtagc	tgggactaca	ggtacccgcc	accacaccct	90720
gctaattctt	gtgttttcag	tagagacagg	gtttcaccat	gttggcaagg	ctggtctcga	90780
actcctgacc	ttaagtgagc	caccgcctt	ggcctcccaa	agtccctggga	ttacaggtgt	90840
gagccactgc	gcttggccag	gaaatatcta	atttagtaag	tatttatatc	tgggaaagga	90900
agggtcaggt	ggtgattcat	aggaaactcta	aagtctatgt	ataatactta	gggggacaga	90960
aggaaaataaa	gcaaaatgct	gatatttgat	tgttgagttg	tgtatatgtt	agaagtataa	91020
cataggagat	ctgattgata	gtaggagaa	gttttttaggt	ggtaaaagtg	gaaccgtggt	91080
ggttttgttt	ggcagtagaa	tcagttaggtc	atagtttgta	tgtggaaggt	aataaacaga	91140
ccatgttaag	gatgacttcc	ggaattttgg	tctgagtagt	gggtggatga	cagtgtcatt	91200
catgagggaa	gatgaagact	gaggtaggaa	caggtttggg	agaagatgac	atgttccctt	91260
ttagacaagt	ggaatttatgg	aagatggcag	gtagggtggt	agctatatga	attttagata	91320
aaagatttag	gatggagata	taaatttagg	agtaacagcg	tatctatggt	attgtaacgc	91380
ttaagaatgg	gtaggatcag	ccaggaaata	cagatgtata	tgcagaagag	aggagtcaag	91440
gaagccaaga	caagttaatg	tttaaagtga	gtgatgtagt	ccatgggcag	atgctgctga	91500
gagggtcgca	aacaccagtg	accctacaac	atttttaaat	gtcgtcttcc	tgacagcagt	91560
gatcagtacc	tgcaacgatc	ttattttatt	ttttcatggt	agtctccaca	cacttgaatg	91620
tagacttttt	gaaggcaaaa	tcattgcctt	ttctgagctg	ggagcatgtc	tggcacatat	91680
caagcactca	acagttgatg	tattgacttc	atccagatac	tctgagggcg	agttattttcc	91740
tgctactagc	ctttcacctt	tcaatgttta	agagcacaaa	tacagagatg	ggcacgtttt	91800
ggcattttct	attttgataa	ccttttctctg	gtaagatttt	ttaatgttga	aaaaaaaaaa	91860
caagaaaaga	gggttaaaaa	tagtcttatg	tcagatcctg	tgatagaatt	cacacttggc	91920
ttaagctgct	gggcaccttc	ctatcttgga	tgtcatatta	gcttatctac	agcagaattt	91980
ttactgtttt	atgtagtaag	gaagcaatta	tatgattatt	ttacagacaa	attattcttt	92040
atctttttat	tttttagacg	gagtctctct	ttgtctccca	ggctggagta	cagtgtcgcg	92100
atctcggctc	actgcaacct	ccgcctcctg	ggttcaagca	attctctgcc	tcagcctccc	92160
aagtagctgg	gcttacaggt	gtccgcacc	acaccagct	cattgttttg	tatttttagt	92220
agagatgggg	ttttaccatg	ttggccaggc	tggtcttgag	ctactgacct	cagggtgatcc	92280
acccgccttg	gcatcccaaa	gtgctggaat	tacaggcgtg	agccaccgtg	cctggcccag	92340
acaaattatt	atactctgag	tgttagaggc	ttaggatgtt	ttcacttgat	gctatgggag	92400
gaataagtaa	taagatatga	tacacaacca	aagacctttc	ttcactatgc	ttctagttagc	92460
tagtatactg	gatgacacat	ggtaataata	ttggttagca	tttgctctca	atttactgtg	92520
ctagttactc	ttctaagccc	cttacaggta	tatatttttt	ttcatcaata	atcctctaag	92580
gtagttttta	ttattgacct	aattttataa	atcaagaaaa	ttaagaccca	gagaagtaag	92640
taacttgtcc	aagatcacat	ggcttataag	tggttagagcc	agaatttgac	cccagatggt	92700
gtgactacat	tgtctctcca	taagcaggtt	caactctttt	gactggatgc	tggtccaagg	92760
tcacttctct	agagaagcct	ttgctgacaa	ctaccctcct	gtgccctcct	ccaaggctgt	92820
ccattgttct	agaactttga	atactcatct	tagaataaag	ctggtctaat	ttttacagtg	92880
ttatagaatg	gatctctgac	tgcaaaaagt	ggtcataatt	atctttttat	gttctagtga	92940
aaggcaaga	acaagagaag	acctcagatg	tgaagtccat	taaaggtaag	ttctgccctt	93000
ggcagctcac	tgcattaaaa	agtgatgtgc	tttgcatttg	tgagttcttt	aatcctgtta	93060

tactctctct	tttggcatta	atcatttctg	ccttatttta	taattactta	tgattttgat	93120
ttatttccct	ctttaacctg	tataatgctt	taacatctag	catataataa	gtaggctttt	93180
tttttttttt	tttttttgga	gacggagtct	tgctctgtta	cccaggctgg	agtgcagtg	93240
cgcgatcttg	gctcactgca	agctctgtct	cccgggttca	caccattctc	ctgcctcagc	93300
ctccccagca	gctgggacta	caggtgcacg	gcgccacgcc	tggttaattt	tttgtatttt	93360
ttagtagaga	cagagtttca	ccatgttagc	cagtatggtc	tcgatctcct	gacctgtgga	93420
tccgcccgcc	tcggcctccc	aaagtgcctg	gattacaagc	gtgagccacc	gcacccggcc	93480
gtaagtaggc	tttttttacc	ttaattttat	ttttttgaga	tggagtcttg	ctcttatccc	93540
caggctggag	tgcagtgggtg	ccatctcggc	tcactgcagc	atccacctcc	cgggttcaag	93600
cgattctcct	gcctcagcct	cccagtagc	tgggattaca	ggtggccgcc	accatgccca	93660
gctaattttt	gtatttttag	tagagacagg	gtttcacctg	gttggccagg	ccagtctcaa	93720
actcctgacc	tcaagtgatc	cactcgcctt	ggcctcccaa	agtccctggga	ttacaggcgt	93780
gagccaccat	gcctggccat	aagtaggctt	ttactgagcc	ttgtgtgtat	tggctatcct	93840
agtgattaca	gtgaaccagt	gcccttctta	ttaatcacac	atttaattgt	tccctaaaag	93900
tgattagttc	actttattta	tttagtaaga	caaaaaatga	agaatactct	taactgagca	93960
gtctgttaac	tgtaggaaag	cactgacact	tataaggctt	agttttctgt	catttatcca	94020
gaagtatggt	tgattacagt	ttttactttt	ttatttgaat	gaacaacctt	aatttaaaat	94080
atattttgtt	tattttttgt	tgggatcgat	acattgtcct	tgtttataga	ttagagcatg	94140
ctttttaaag	atgctgtatt	actcactgat	tttatttgtc	cagtgtacag	agattgaagt	94200
gggaaaatta	taatggaaat	tgtttccata	gtcattacat	attaatttca	tcaattttat	94260
tccataaaat	ctgtagattg	ctacttattt	agatttttcc	ttcaaagtgt	tttatgttgt	94320
attgcttgca	ctgagtattt	attctatatg	ctcaatttgc	tggagaagaa	gactaattat	94380
aacttaggca	agttgtaaaa	ttagggaaaa	aagtaaggta	ccttacagcc	tagtttactt	94440
atttctttatg	taaagccagt	tagattccac	attagttcaa	actgccttct	ttgagcaaaa	94500
cttgattggc	agtgataaa	gcttaaagcc	cttctcaagc	agagacctgt	aaagcttaga	94560
tctgactgta	gtagaaggaa	ggaacttaga	tgtttcaggc	agtgagaaca	ccagtcttcc	94620
actctaaact	ttgccactaa	cagtatgacc	ttgggaagtt	gtaactttct	tcagattctt	94680
catttggtga	atggggggat	tggcctagct	aatttctaaa	tctctactgg	gctaaaaaat	94740
tctgtgctta	tactctgatt	atgaagtaca	taactctgtc	ttaacattca	ctgacttatc	94800
cttaggataa	tacagaagca	gtacaagaaa	tagccccctc	agatgtttgc	agtctggtta	94860
gaaagacaaa	cttatacaca	gaacagtagc	aaatagacca	aaataataat	agctgccatt	94920
tatagaacac	ttcttctgtt	ctgggcatta	gacaaaaact	gactataacg	gtgaacaaaa	94980
aagacttagg	tcctgccctc	attgaactta	cagatttaga	ggggagagga	acattaatca	95040
agtaattcca	cagatggctc	agcctagatt	ggtagtgatg	gaagtaaaga	gatgtgaacg	95100
gacttgaaaa	aaaattcgga	ggcaaaatgg	atagaagttt	attattgatt	aaatttgagg	95160
tgtgagagag	agggatatatt	aagattgata	cctaccttct	ggcttgccct	acagaaccaa	95220
aacaggaaat	tatatgttca	gttttgttat	gttgggtggg	aggtgctttt	gagtcattca	95280
tttatatatg	ttatatatgt	tattttatat	gcatagtaat	tttaaggctc	gagttttaa	95340
ccaaagggtta	gagagtgatt	ttttagagtc	tagcaaacct	aagttgaaat	cctgtgtgtt	95400
gaaatggctg	tttactagct	cattaaccta	gggcaaagta	ttcaacttgt	tttcattttt	95460
gtcttcatct	ctaaaatgag	gaaaatatgg	tcttacaaga	ttgtcctgag	agatagatga	95520
aataatatcc	aaaaaaaaaa	aaggtacata	gagaaactcg	tatagtgcct	ggtatatagt	95580
aggctcctca	ttggtagcta	tcattatcta	gttttaacat	agccttcagt	ttgttgaatt	95640
agtgcaaacg	agtgaaacac	tgcaaggaat	ccttaggaat	ttgagatcaa	caaattgatt	95700
ctgaagttta	gggaagactt	catggcaatg	acacttacct	tgtataaaa	ttgaagaata	95760
agaaagattt	gaatgagaga	ttctttctct	tctccctacc	agcccagctt	cttatttgag	95820
gatatatgtg	gcaaaggggc	cttcagacaa	gtagagggag	atttttacag	aaagattgag	95880
atgaagggtat	agaaggctgt	aaagaccaga	aaagagaatt	gagacagagg	aagcaggaag	95940
ccactgtagg	tttttgagca	agatatgtat	gctgttaagta	tggtgtttat	gaaagggttag	96000
tctggaagag	atttgcagga	tggagacccc	ggaagttttt	ttgtttataat	acagaaagac	96060
ttgcaactgag	ggtgagggtg	taaaaataaa	caggtaagta	aatgttttaa	catcttgaag	96120
gaaaagtcaa	caaactcttg	caagtaacaa	gataacagtg	aaaaagaatg	ggaccaagat	96180
tttgagttttt	ggagactggg	ggattgaaca	gacagggaaa	ttgagaggag	aatcagatga	96240
tgatgtttta	agttgatatt	tagacagatt	gtgcttgaga	tggtaaagtc	aatgtgggtg	96300
ggaatgctta	gtagcgagta	atcagtgata	caagaccaa	gccaggtca	aagacaagtc	96360
acagatacag	atcagggtct	tttcatctgc	tccacagagg	tgtaccctag	gagctgttgc	96420
aaacagtcca	tgtggagggt	gtgagtaaga	tgtttccctt	gaatttgcca	gaattacttt	96480
tttgtttgtg	ttgttgtttt	ttctgagaca	gattctcgct	ctgttgccca	ggctggaggg	96540
cagtggcgag	atcgcgagc	tcactgcac	ctctgcctct	cgggttcgag	tgattctcct	96600
gcctcagcct	cccaagtagc	tgggattaca	ggcttgtgcc	accaagccca	gctaatttct	96660
tttgtatttt	tagtagagat	ggggtttcac	catgttgccc	agactggctc	cgaactcctg	96720
gcctcgtagt	ctgcctgcct	cagcctccaa	aagttctggg	attacaggcg	tgaaccactg	96780
cacccggtcc	cttgttaagt	ttattttggt	gggaagcaaa	ggagggttca	gcttttataa	96840
agtttgaaaa	ttattgctct	ggtaataatt	aaagatttga	gagtaaatat	gctttctagc	96900
agaaagaata	aaagaagaac	agatagcctc	aagaagggga	gccaaagaag	caggctatat	96960
ctgacacact	gggtgttgat	aaatgggtat	taaaagaatg	agagcaatga	gcagatagaa	97020
gaggaaatta	ggagagtata	ataccatgga	gaccaagaaa	gatagactat	cagggaaggag	97080

tggtaaaaaat	aagttactag	ttctaagaga	gatgttaaga	gggaccgggg	aaagccttgt	97140
acaaatgagt	tagtagcatt	ttacattata	tacatctaata	taagaaacaa	tgcgagagtc	97200
tcaccattcc	tatagactct	tacttgtact	tgtctgaaca	cgaaaactgg	cttttgttta	97260
taaataagct	aaaaattatt	ttgctccaat	ttctcatgaa	aataaaaaata	aaccttcttt	97320
taacattgaa	aaaatagttt	gaagacagtc	actcttcatt	ttgtaattcc	cacaactatt	97380
attgaatgac	tgaaattatc	tttattctga	agccaaaggg	gtgatactga	tatttcttca	97440
gactactaaa	aatataat	atgaat	agtgtgcttt	atcttttttt	gttttttttt	97500
ttgagatgga	gtttcactcc	cgttgctcag	gctggagggc	agtggtgcaa	tctcagctca	97560
ctgcaacctt	cgccctccag	attcaagcaa	ttctcctgcc	tcgggtctccc	aagtagctgg	97620
gattacaggg	acctgcccc	acacccagct	aattttttgt	attttttagta	gagacagggg	97680
ttcaccatgt	tggtcaggct	ggtcttgaac	tcctgacctc	aggtgatcca	cccaccttgg	97740
cctcccaaag	tactgogatt	gcaggcatga	gccaccatgc	ctggcctgag	gaatattttt	97800
ctaggttccc	cccaccccaa	gcatttatct	tgcaatttta	gttttgttcc	taaagcaagc	97860
aagggtttaag	gatttaaaaa	taatccgtat	tttagaatgc	tttctggctt	tgttactttt	97920
tatccacagt	agaagtcttc	agagaatgat	ctccctcttt	taatttaact	ttttggcaca	97980
gtattttgag	aattataaat	aattattagaa	tgttttctgg	ctgggtgtgg	tggctcatgc	98040
ctgtaatcct	ggctacttgg	gaggctgagg	caggagaatc	acttgaacat	gggaggcaga	98100
ggttgccagt	agccgagggtc	atgccactgc	actccagcct	gggtgacaga	gcaagactct	98160
gtctgggaaa	aaaaaaaaaa	aaaaaaagag	tgttttcttt	cctattttcc	accacttgat	98220
taagttactt	ttcctcttaa	gtattttttg	ctgagtatgc	tgacttaaga	gtaatgttac	98280
aaaatttaatt	ttttaaaagt	ctctgaaagc	ccctttatga	gagttttagg	ctatcaaatt	98340
gtgttttaatt	cttaacaatt	ttttgaaaaa	ttatagcttc	aatatccgta	cattccccac	98400
aaaaaagcac	taaaaatcat	gccttgctgg	aggctgcagg	accaagtcac	gttgcaatca	98460
atgccatttc	tgccaacatg	gactcctttt	caagtagcac	gacagccaca	cttaagaagc	98520
agccaagcca	atgggaaggtc	gctcattttg	gtgacctggg	taagtaacta	tcatttttta	98580
ttaacttgta	ttagaaggat	ttgagtacaa	tatgtgaaac	ttctgtcata	ggatacagaa	98640
ctatataaatt	ggaaagtgtc	ttggaaaaaa	tgtattttaa	ataacagcta	caagtataat	98700
gggtagctgt	gttgtgttcc	tgtaaatata	gaatataaag	catgccccagt	agaaaaacaa	98760
gcattttccag	aagaaatata	tctgatcact	aaatataaat	atatgaaaaa	gatgtctcac	98820
tttattactg	aggggaagtg	aaattaaaaa	aatcagttaa	tgttctccta	acacattagc	98880
atattttttta	aagtttgaca	atgtgaatgt	cagtgaagat	gcagggaaat	acccctccta	98940
tttagtgata	atataatctg	gtgaagactc	tttggaagc	aatttggaag	tcagtataaa	99000
atatgcatgt	catttaggcc	actctttcta	agacctagcc	ctcagatatg	ctcattcata	99060
tgtgcagggt	tgtatgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtatgtatg	tgatatgtatg	99120
tatgtatgta	tgtatgttga	aggctattca	ttatagtatt	gtttgtgata	gcaaaaaatt	99180
atggacaaca	tataaatatc	tgttataggg	aaataaccaa	atttgtggtat	acgcatgctc	99240
tggagtataa	tatagccatt	tgtttctatt	tattttatttt	cttgagacag	ggttttactc	99300
tgttgccccg	gctggagtg	agtggatga	tcattggttc	ctgcagcctt	cacctctctg	99360
gcacaagcca	ttctctcgcc	tcagcctcca	gacttactag	gactgcaggc	atgtgtcacc	99420
acacccagat	aatttttttaa	ttttttgtag	agacagggtc	tcactatgtt	gcctaagctg	99480
gtctcaaact	cctggcctca	agcaattctc	ccacacaggc	ctcccaaagt	gctgggatta	99540
ccaacgtgaa	ccaccacacc	tggttcagtg	tagccattta	gaaatctaaa	aaagacgtgg	99600
gaaaatgtct	aaggcatgtt	taaatgtgag	aaaagcaagt	cacagtatgc	atggtaaaaa	99660
cggttatatt	aaaataagtt	cttccaaaac	aaaaacatat	gcaggagacc	tttattttgt	99720
cagtatttct	tacccaaatt	tctgcactta	gaaaattgca	tgtcatgttg	tcataagttg	99780
aaaaaaagat	ccatgaacca	atggacttct	aataaaatca	gtcctgcttt	tgacatctct	99840
ctctactttt	gtgtatatcc	aaaccagagt	gtcaatgtgt	ttgtggggca	cacttagcaa	99900
taatacatag	cagacaaaat	gcataatagc	cagagagtaa	aattgttaagt	tttgctagat	99960
cactcataaa	ttgctgatga	gaatttataa	tggtgcagat	gctctggaaa	acaggcaggt	100020
tctttctttc	tttttttttt	tctttttgag	acagggtctc	actctgttgc	gcaggctgga	100080
gtacagtggc	gtgattacaa	ctcactgcag	cctcaccctc	ctcagggttc	ggtgatcctc	100140
cctcagcttc	ctgagttagc	gggactatag	gcattgcacca	ccacgcctgg	ctaatttttt	100200
tatttttttt	tttttttttt	gtagagacgg	gggtttcgcca	tgtttccag	gctggtctca	100260
aactcctgga	atcaagcgat	ccacttgctg	aggcctccca	aagtgtctgg	attacgggcg	100320
tgagctactg	tgccctggcct	aggcagtttg	tttggtttgt	tggtttgtttg	tttattttatt	100380
tgtagacgga	gtctcacagg	ctggagtgc	gtggcccaat	ttttgggtca	ctgcaacctc	100440
cgccctccag	gttcaagcta	ttctcctgcc	tcagcctcct	gagttagctgg	gatgacaggt	100500
gcctgcacata	atgctggact	gatttttgta	tatttagtag	atatgggggt	tcacctgttt	100560
ggtcaggctg	gttttggaact	cctgacctca	ggtgatcagc	ccgcctcgcc	ctcccaaagt	100620
gctgggatta	caggcatgag	ccgtcatccc	tggctgggtg	tttcttatga	cgtgaaacat	100680
gcaattacca	tatgacctag	cagtgtgact	ctgtattttat	cccagataaa	tgaaaactta	100740
ccttccaata	aaaacctgtg	cacaaatggt	catagcagct	taatatggaa	aaactggatg	100800
ttcttcagca	ggtgaaatgaa	ctggttactt	cataccatgg	aataaccattc	agcaataaaa	100860
aggaacaaac	tgttgatata	tttaaccacc	tggatgaata	tcaagggaat	tatgctgtca	100920
gacaaaaacc	agtcctctaa	gactacatat	agtatgatcc	cgtttggtata	atattcttga	100980
aatagagaaa	ttaagagaaa	tgaaaagatt	agtgtttgcc	agatgttaga	gacagggagg	101040
tgagaggggt	aagtgggtgt	agttataaaa	gtgcaacatg	agggatcttt	gtgatgttga	101100

agttgtatct	tggcagtgga	tgcagaaatc	tcaatgtgat	aaaattacaa	agaactaaaa	101160
acaagaatga	gtatagataa	aactggggaa	atctgaacaa	gttagagtg	tgtatcactg	101220
tcagtatctt	agagtgatat	tgtactatag	ctttgcaaga	tgttaccatg	ggagaaacta	101280
aagtgtacaa	gggatctcta	ggtattatta	tttttttaga	gatgggggtt	cactatgttc	101340
cccaggccgg	tcttgaactc	ctgggctcta	gtgatccgcc	tgccccagcc	tcctaaagta	101400
ctggaattac	aggcgtgagc	gaccatgcct	ggccctttca	gtattgtatc	ttagaacttc	101460
atgtgaatct	agcattatct	catagaatct	aattaaaaaga	aattgtaaac	ctcacagaag	101520
atcagaatct	cctcaagttt	gtgatgttga	caaagatgaa	ctagttgaca	ctgacagtaa	101580
gactgaggat	gaagacacga	cgtgcttcaa	aaaaatgatt	tgaatatcaa	tggattaaga	101640
agaactcttt	tgacaaattg	atgaaaccct	cagtcagttt	tataagaatg	cccatcttta	101700
tgatcatgct	atgaaagcca	attttttaaaa	aaattttttt	tccttcctaa	caattagctt	101760
gtgggtataa	tttaaattta	gttaaataata	agataaatga	ttttttatta	agtttagttt	101820
cattttttcaa	ggtacgatct	caaagctact	ctttaaccta	ctatgaatga	ataatgctga	101880
gttcataaca	tctttgtaga	tatatccaca	attttccctc	aggataagtg	cctacaagtg	101940
gaattactgg	actgaaaata	atgcagtttg	ctaagacttt	gctatctgtt	cctgaatgct	102000
cctccaaaaa	gggttttgcca	gtttacatcc	tcatgaccag	cgaatgagag	tgttgcttat	102060
tttctgtgtc	ccttggtact	gcttaataat	ttttgaaaaa	aatctaattt	gacagacaaa	102120
aatgcatttt	atgttaattt	gcttttctgg	gatttttaatt	gaggttgagt	atagttttta	102180
atattttttat	tggccctctt	ggaactagta	tcataagttt	tttttcttaa	gaattttatg	102240
agtcctgggt	gggcgcagtg	gctcacgcct	gcaatccag	cactttggga	ggccgaggtg	102300
gtgggattgc	cgaaagtcag	gagtttgaga	ccatcctgac	caacatgggtg	aaaccgaatc	102360
tctactaaaa	gtacaaaaaac	tagctcagcg	tgggtggcggg	tgccgtgtaat	cccagctact	102420
taggaggctg	agtcaagaga	atcgcttgaa	cccgggaggt	ggagggtggg	tgcattgagc	102480
cgagatcgcg	ccattgtctt	ccagcctagg	caacaagagt	gaaaagtctc	aaaaaaaaaa	102540
aaaaaaaaaa	aaaaaagaat	ttacatggtc	tgaattgcca	ttaaaagaga	tatgagaatt	102600
attgagtaac	aaataacttt	ttataaattt	aggcaagttt	tggacgattg	tactttgttt	102660
agaaaccaa	agcatagtat	ttgtagtttt	tttattttact	ttagttgcta	ggaagtaaac	102720
tttattcaag	gtctctggta	ccagttgttg	ctaaaagtga	ttgactaatc	tgtcaatctg	102780
aaattattttg	ttgctgaact	gctaattctt	ttgcttctat	cttttaggca	gatcttgtct	102840
ggactaccag	actcaagaga	ccaaatcaag	cctttctaag	acccttgaac	aagtcctgca	102900
cgacactatt	gtcctccctt	acttcattca	attcatggaa	cttcggcgaa	tggagcattt	102960
ggtgaaattt	tgggttagagg	ctgaaagttt	tcattcaaca	acttggtcgc	gaataagagc	103020
acacagctta	aacacagtg	agcagagctc	actggctgag	cctgtctctc	catctaaaaa	103080
gcatgaaact	acagcgtctt	ttttaactga	ttctcttgat	aagagattgg	aggattctgg	103140
ctcagcacag	ttgtttatga	ctcattcaga	aggaattgac	ctgaataata	gaactaacag	103200
cactcagaat	cacttgctgc	tttcccagga	atgtgacagt	gcccattctc	tccgtcttga	103260
aatggccaga	gcaggaactc	accaagtttc	catggaaacc	caagaatctt	cctctacact	103320
tacagtagcc	agtagaaata	gtcccgcctc	tccactaaaa	gaattgtcag	gaaaactaat	103380
gaaaagttag	tatgtgattt	tcttgtgtgt	acatatgtgt	ctcactttct	tttttttaatt	103440
tactaacag	aacttcagat	gaggaataaa	atgattggaa	tatttttttt	ctcctctaac	103500
tacttgtaaa	tttgggagaa	tttggagagt	gtagtagagt	cagatcagtg	tatggaaaag	103560
gagcaggagt	gactggacct	tctaagaagt	gtgttatcag	aattagtaaa	tgaagggtca	103620
aatgtctcat	ttttcccttc	cactgatttt	gacatcaaac	cattatccac	atagccttat	103680
ttctcccttc	gggtcttaatt	ttattaatat	tttactgcac	tttgagata	aaatttttaa	103740
aaaattttta	aaaattgcca	ataagtgaac	tttattaagt	tcagtgccta	gtgtatatatt	103800
ggatttttatt	tatttagtcac	aagacctttg	tgcaggtagt	aggcatgatt	atcttttttt	103860
ttttgagatg	gagtcctgtt	ctgtcgccca	ggctggagtg	caatggcgcg	gtctcggtct	103920
actgcaacct	ccgggttcac	gccattctcc	tgccctcagc	tcccaaatag	ctgggactac	103980
aggcgctgc	caccacaccc	ggctaatttt	tttgtatttt	tagtagagac	gggggtttcac	104040
catgttcgcc	aggatggctt	cgatctcctg	actttgtgat	ccgcctgcct	cggcctccca	104100
aagtgtctgg	attacaggca	tgagccaccg	cgcccgagct	gatttatctta	tttacacatg	104160
agaaaaccag	ggcttagaaa	gggttaggtaa	cttcctcttc	gttgtagagt	aaatgtggac	104220
ctagaagcat	tttgacaaga	gcacctgttt	ttttttcttc	tctattagtt	tagaaattat	104280
atactcttaa	ttatcacctg	ggattttgat	tagacagcct	tcattgttct	tttcatctta	104340
aatgttcttt	gtgtcttaaa	gggctaagtg	atttcttcag	atcttttagt	tcactcattc	104400
tcagtgaact	aaaatgaggt	ctaactctgt	actgaatcaa	gttttcagca	tgttatttcc	104460
ttctcccttc	cctccctcct	tccttccctc	aaccaggctc	ccgaggagct	gggattacag	104520
gcgcccgcga	ccactctggg	ctaattttta	tattttagta	gagacggggg	ttcaccatgt	104580
tgtcaggct	gatcttgaac	tccctgacct	aagtgacca	cctgcctcgg	cctcccaaag	104640
tgctgggatt	acaggcatga	atcaccacac	ctgacggcat	gttattttca	tcgcaaagtt	104700
actgtaagct	gggagaagtg	gcacacactt	gtactcccag	ctactcagga	agcttaaggt	104760
gagaagattg	cttgagccca	ggagttttga	gaccaacctg	ggcaacacag	caagacccca	104820
gctcaaaca	agaaaaaaag	ttattgaatt	ttttattctt	atggatcatt	ttttgtagtt	104880
tcttattcct	ttcacccttc	attcccactt	ttgatcccat	cttttattta	tttagtttta	104940
ttaaatgtat	atgtgtctga	taattctgct	atctacagtt	ttttgtggac	ctgactcagc	105000
atctctttgt	ttcttcggat	tcagactgtt	gggtggctgt	gatttttagtg	atttttggcc	105060
gtgaacatgt	ttcttggact	tttgtctgtg	ggaattctct	gtgtactctg	tataaattaa	105120

gttacttcag	gtgttttgca	ttttcttttg	ccatgcacct	ggggcctggg	tcactaccct	105180
tctggtagca	ctttaaactg	aatttttgtc	ttgggtgctc	gtactgatcc	tgtatgagta	105240
caggtttata	cttactgtag	aaatatgggtg	tttgattatg	gggtattgtc	ccagatgggtg	105300
ctggagtagt	aatatgctct	ctgttaaact	taatgtgttg	tccctgtaaa	actccaaaat	105360
tctgaattcc	agaatactac	tggcccaaaa	tgtttaagat	aagggcactg	cctgtatttg	105420
tttctgcctc	ccactatttt	ccttagttta	acacaaactc	acctttttta	aaaacatttt	105480
gagagaattc	agtattggga	agagtttcta	acctgtttct	ggaaatggaa	gtccaaagtc	105540
tgtttctgta	attgtttttt	ttttgagatg	gagtcctact	ctgtcaccca	ggctggagtg	105600
caatgacgta	ctctcagctc	actgcaacct	ccacctcccc	ggttcaagcg	attctcttgc	105660
ctcagccccc	tgagtagctg	ggattacagg	tgcccaccac	catgcctggc	tgatttttgt	105720
atttttagaa	gagatggggg	ttcgccatgt	tggccaggct	ggctctgaac	tcctgacttt	105780
gtgatctgcc	cacctcagcc	tcccaaagtg	ctaggattat	gtttctgtaa	ttgtaataca	105840
tttattgttt	ttagaaactg	tctttgcttt	agtggtaatt	ttcaataaaa	atagaaatag	105900
cagtgagggt	attaaaagag	cattagttac	atttttccct	ttttcattat	cttcaaatat	105960
tatatatagt	aagtttgacc	tttttaaaat	gtataactgt	atcagtttta	acacatacat	106020
agattcctgt	aactgtcacc	actataaggg	taaagaacag	ttagttcctt	cacctttgaa	106080
gtcaagcccc	acctctatcc	caacacttgg	caaccgctga	tctttctccg	tctcaatagc	106140
tttgcccttt	ctcttttttt	ttcttatttt	tttttttgag	acagcgtctt	gctctgtcgc	106200
ccgagctgga	gtgcagtgag	gcaatctcgg	ctcactgcaa	cctccgcctc	ctgggttcaa	106260
gcagttctcc	tgcccttagcc	tccctagtag	ctgggattat	aggcacgcac	caccacacc	106320
ggctgatttt	tttgtagttt	tagtagaaat	ggggtttcac	catggtggcc	aggctgggtc	106380
caaactcttg	acctcaagtg	atccacctgc	ctcgccctcc	caaagtgtctg	ggattacagg	106440
cgtgagccac	tgtgcccaat	caggactttt	tttttttaaa	tttacattca	acttgtcatt	106500
tttttcttgt	atggatttgt	ccttcagagt	cacacctaa	agccctttgc	ctaagcaaa	106560
gtcatgaaga	ttttctcata	tgtttccttt	taaaagtatt	gtggttggcc	aggtgccatg	106620
gcttatgcct	gtaatctcag	cactttgaga	agctgagggtg	ggcagattac	gaggtcagga	106680
gatcgagacc	atcctggcta	atgcggtgaa	accccatctc	tactaaaaat	acaaaaaaa	106740
aaaaaaatta	gccggggcgtg	gtggcgggca	cctgtagctc	cagctacttg	agaggttgag	106800
gcaggagaat	agtgtgaacc	cgggaggtgg	agcttgagct	gagccgagat	cgcgccactg	106860
cactccagcc	tgggcaacac	agtgaactc	catctcaaaa	aaaaaaaaaa	agtattatgg	106920
ttttacactt	tacgtttaga	tatatatctt	ttttgagtta	atgtcgtata	agtatgaggg	106980
ttacgtcaga	ttttttgttt	tttgtttatt	tttacatatg	gatgtctagt	tgttctaata	107040
ccatttgttg	aaaagacaac	ctttactcca	ttgaattgcc	tttgtacttt	tgccatattt	107100
gtctaggcct	gttttttgac	tcctttttct	gtttcatgat	gtgtgtgtct	attcctttgt	107160
taataaccaca	tggctttaat	tactgtatag	aattgggttaa	tgtctggcct	tgctggcctt	107220
ataaaacgaa	ttgggaagtt	tttattttta	ctcttatttc	cattttctag	aagagattgt	107280
gtagaattgg	tgtcatttct	tctttagata	tttggttgaa	ttgggaagtg	atgccatctg	107340
ggcctagggt	tttggttttt	gtgtgtgaga	cagagtctca	cttctgtcac	ccaggttgga	107400
gtgcagtggt	gagatcttgg	cttactgcaa	cctctgcctc	ccaggttcaa	gttatcctcc	107460
tgctcagcc	tcccaaatag	ctgggattac	aagcgtgtgc	caccatgccc	gactaatttt	107520
tgtattttta	atgcagacag	ggtttcacca	tgtagcccaa	gctgggtctg	aacttgtgac	107580
ctcaagtgat	tagccacact	tggcctccca	aagtgttagg	attatagatg	tgagccaccg	107640
tgccctggcag	gggcctaggg	ttttcttttt	cagagtattt	taaactatga	attcagatta	107700
tttaatatag	ataggactat	ttaagtattc	tggttcttct	tgagtgaatt	tttactgtag	107760
tttatggcct	ttgagtaatt	aattgtattg	aattgtcaaa	tttatgagcg	tgtaattatt	107820
tatagcattt	cgggtttgta	gtggatctcc	tcttttatcc	ctgggtgttg	caattgtgtc	107880
ttgtttttct	ttgtcagatt	gtatagggat	ttattagctc	tttcaaagaa	ctagcttttg	107940
ttttgatttt	tctgttgttt	tgttttcaat	tttattgatt	ttctgctctt	tattatttct	108000
tttctattat	tctgtcttgc	tttggtttta	ttttactctt	tttttttctt	ccaagttgct	108060
taaagtagaa	acttagattt	ctgggttgag	acctttcttt	tctaagataa	gcatttaata	108120
ctgtaaattt	ccttctaacc	actgctttag	ttacaccccc	acaaattctg	gtattttgaa	108180
ctgagcacaa	atgaaatgtt	ctaatttccc	ttgaattctta	ttctttttacc	aatgaattat	108240
ttagaaatat	gttatttagt	ttgcaagcaa	ttggagactt	ttttcctggt	atttttctac	108300
catttatttc	tcatttcaat	atattatggt	cagagaatat	attttgaaatg	atttcattta	108360
ttatttttta	aaaataacat	taaaaaattt	tttaaaatgt	gaatatacca	catacagtat	108420
aaagattgta	cattctgttt	ttggacagtt	ttctataaat	gtcaagttga	tttagttggg	108480
taatgatggt	gttcagtttt	tctttattct	tgctgatact	ttgtatgcag	ttatatcact	108540
ttattactca	gaagagtgtt	gaactttcca	actacaattt	tttttcccaa	ttttactttc	108600
agctctatct	gggttttgctt	catgtatttt	gaggctctgt	tgtaggtgtg	gtacacattc	108660
aggatgatat	cttctgggtg	aattgcctgt	tttatcatta	tgtaattccc	tctttatggg	108720
aattttcctt	gttctaagat	cagaaatatc	tggtgtccaa	tttatataga	cactgcagct	108780
ttcatttgat	tagtgcttgc	atggcatatc	tttttccatt	tttttacttt	tgatctacct	108840
ttataattct	atttaaaggg	ggcttcttgt	aggcagcata	tagttgggta	gtgttattta	108900
tttattttat	tatttattta	tttattttat	tattgagaca	gagttttgct	cttgttgccc	108960
aagctggagt	gcagtgggtg	aatcctggct	taccacaacc	tccacctcct	gggttgagct	109020
gattctcctg	cctcagcctc	ccaagtagct	gggattacag	gcacgcgcac	catgcctggc	109080
tgattttttg	tatttttagt	agaaacggat	tttcaccatg	ttagccaggc	tcgtcttgaa	109140

ctcctgacct	cagggtgatcc	acctgctttg	gcctcccaaa	gtgctgggat	tacaggcggtg	109200
agccactgca	cccggctgag	tcatgttatt	tttaattctt	tctcacaata	cagggttttt	109260
gttggtaaat	tttaattatt	taatataaat	tttagtataa	ttattttacat	taaatgtaac	109320
tgttgcaactg	gggtattttat	aatgtgtaaa	tataattatt	gggtatttaata	taattatatt	109380
actcataata	atattaatat	ctttggattt	agattaccag	tttagtatat	gtttttctgt	109440
ttctccctct	ttgattttccc	cttttttgc	ttttttttt	ttttaattct	tatttttttt	109500
tagtatttgt	tgatcattct	tgggtgtttc	ttggagaggg	ggattttggca	gggtcatagg	109560
acaatagtgt	aggggaaggtc	agcagataaa	catgtgaaca	aggtctctgg	ttttcctaga	109620
cagaggaccc	tgccggccttc	tgcatgtgtt	gtgtccctgg	gtacttgaga	ttagggagtg	109680
gtgatgactc	ttaacgagca	tgctgccttc	aagcatctgt	ttaacaaagc	acatcttgca	109740
ccacccttaa	tccattttaac	cctgagtgg	aatagcacat	gtttcagaga	gcagggggtt	109800
gggggtaagg	ttatagatta	acagcatccc	aaggcagaag	aatttttctt	agtacagaac	109860
aaaatggagt	ctcccatgtc	tacttctttc	tacacagaca	cagtaacaat	ctgatctctc	109920
tttcttttcc	ccacatttcc	cccttttcta	ttcgacaaaa	ctgccatcgt	catcatggcc	109980
cgttctcaat	gagctgtttg	gtacacctcc	cagacgggg	ggcagctggg	cagaggggct	110040
cctcacttcc	cagatggggg	agccgggcag	agggcggccc	cacctcccag	acggggcagt	110100
ggccggggcg	agggcggccc	cacctccctc	ccggatgggg	cggctggccg	ggcgggggct	110160
gacccccac	ctccctccc	gacggggcg	ctggcgggg	gggggctgac	ccccacctc	110220
cctcccagat	ggggcgggct	gccggggcg	ggctgcccc	cacctccctc	ccggacgggg	110280
cggctgccc	gctgagggg	tcctcacttc	gcagaccggg	cggctgccc	gcggagggg	110340
tcctcacttc	tcagacgggg	cggccgggca	gagacgctcc	tcacctccca	gatggggtag	110400
cggctggggca	gagacactcc	tcagtcccc	gacggggctg	cggccgggca	gaggcgctcc	110460
tcccaccca	gacggggcg	cggggcagag	gtggtcccca	catctcagac	gatgggctgc	110520
cgggcagaga	cactcctcac	ttcctagacg	ggatggcagc	cgggaagagg	tgctcctcac	110580
ttcccagacg	gggcggccg	tcagagggg	tcctcacatc	ccagacgatg	ggcggctagg	110640
cagagacgct	cctcacttcc	cggacgggg	ggcggccggg	cagaggctgc	aatctcggca	110700
ctttgggagg	ccaaggcagg	cggctgggaa	gtggagggtg	tagggagctg	agatcacgcc	110760
actgcactcc	agcctgggca	acattgagca	ttgagtgagc	gagactccgt	ctgcaatcct	110820
ggcacctcgg	gagggcgagg	caggcagatc	actcgcggtc	aggagctgga	gaccagccc	110880
gccaacacag	cgaaacccc	tctccaccaa	aaaatgcaaa	aaccagtcag	gtgtggcggc	110940
gtgcgcctgc	aatcccaggc	actctgcagg	ctgaggcagg	agaatcaggc	agggagggtg	111000
cagtgaaccg	agatggcggc	agtacagtcc	agcctcggct	ttcacaactt	tgggtggcatc	111060
agagggagac	cgggggagagg	gagagggaga	cgagggagag	cccccttttt	gctttctttt	111120
ggattattttg	aaattttctt	taaattttat	tatcttactt	attttatttt	tttttttagt	111180
gattctcctg	ccacagctcc	caagttagctg	ggactgcagg	catgtgccac	tacaccgagc	111240
taattttttt	gtatttttag	tagagacagg	gtttcaccat	attggccagg	ctggtcttga	111300
actcttgacc	tcaagtgatc	cacctgcctc	ggcctcccaa	agtgtcggga	ttacaggcgt	111360
gagccaccat	gccctgcctt	tttctagaat	ttatatattg	agttcttgat	tgtatctttt	111420
tagtaggct	tttttagtgc	ttctctagga	attacaatat	acatactttt	cacagtgtac	111480
tcacatttaa	tattttgtaa	cttcaagtgg	aatgtagaaa	acttaaccac	cataaaata	111540
gaactagggga	tgagggttaa	aaagagagag	aaaagaaatg	taataaagat	ttaataacac	111600
cgtttttttt	tttttttctc	tttttttttt	gagacagagt	ctctctttct	gttaccaggc	111660
tggagtgcag	tggcgtgatc	ttggctcact	gcaacctcgc	cctcctgggt	tcaagtgttt	111720
ctcctgcctc	agcctactga	gtagctggga	ttacaggtgc	gcgccaccat	gcccagctaa	111780
tttttgtatt	tttagtagag	acggtttcac	tgtgttggcc	aggatggtct	cgatttcttg	111840
accttgtgat	tcgctctcct	cagcctccca	aagtgtcggg	attacaggcg	tgagccaccg	111900
cgcccggtta	agtcttttaa	tatttttttg	acattgcact	ttttctcttt	tccttctagg	111960
attttagtaa	cccaaagtgt	agttttgtta	ttgtttggca	ggttcctgag	gctttcctta	112020
cttctttaaa	tttttttttc	ctgttgttca	gcttcgaaaa	tttctattca	tctgtcttca	112080
aattcactgg	ttctttcccg	ttatttccat	tctgttattg	agtctttgta	gtgaatttta	112140
aattttgttt	attatgtttt	ttagtcttaa	aattttcttt	ttttgtgtat	gtcttatact	112200
ttgctcctga	aactcttatt	tgtttcagga	gtgatcttat	ttcttagagc	atggttttag	112260
tagctactta	aaatttggtt	tatcatccca	gcatagtgtt	cctcttgatt	gtcttttctc	112320
ttgtgagata	atgggatttt	ctggttcttt	atatgacaat	taattttgga	ttgtatcttg	112380
gacagtttga	cttacgttac	atgattctga	atcttgttta	aatcctgtgg	aaaatattga	112440
agtttttgct	ttaacaagca	gttgacctag	ttaggttcag	tcacaaaatt	ctaagcagca	112500
ttctgtcggc	tctggttcca	tcacagtttc	agttttgtat	cttatctgct	tatgtgcctt	112560
tctgtgtcca	gtctgggacc	tggccaattg	tcaggtccca	aagcctttgt	acacttttag	112620
aagcagggcc	atgcacaccc	agctcacgag	tggcccggg	agtgcacata	caactcgacg	112680
ttttcatggg	ctccttcttt	tctgtgatgt	ccctgacacg	ttctgccttc	taagaacctc	112740
ccttttatccc	tttctgtgtg	tctggctaga	aagtcagggc	tttagattcc	ctatacttca	112800
gcacacttcc	tgtagctatg	tcaacctctg	tggccacgac	ttcttcttct	tgggactgca	112860
gtttctctct	tcagaaagta	ggattcttgg	agctctgtgc	attgctgctg	tggctgctct	112920
gatgtgcct	gggagtcgaa	ggagagaaag	gaacaaaaca	aaacaaccca	ggggatttcc	112980
tccactctct	ttgatccgtg	agagccccct	ttctgttctc	tcagaccaga	aatagagggc	113040
ctgtcttgga	acttcttctt	tgtgcactctg	gtgtgcagtt	tcagcttttg	agtcaggcc	113100
aggaggtgct	ggacaaactt	gtcaggagta	cggaggtact	gcaagtctctg	attacttttc	113160

tcagtcacc	tgcttccaag	tccttggatg	catttgtcca	ttgttttgag	ttgcattcca	113220
tgggagagac	agaagagtgt	gcttatttca	tcttgacata	cttatttagga	tttcatatca	113280
aatcaacgga	tgatattctc	tatattaatt	tgctgttttc	ccttttagcaa	gcacattagg	113340
aaaataacac	tttaacaccc	gcctttgggtg	gtttctgtca	taattattaa	tacttgactt	113400
ttttttttt	tttgagacgg	agtctcactc	tgctcttga	ggcattgtcc	ccataaactt	113460
ttggtaaagc	atcaataatt	ttatctttca	tccacacaag	cttcaccata	aattttgatgt	113520
ttattcttcc	atttttagcag	aattcatggt	gctccaatag	gggctgtctt	caaactgatg	113580
ttttctcctt	cttagtgcct	cagagtagat	cctgttcaga	tacgttataa	caggttaata	113640
tgagtttatt	ttgggtgtaaa	agtactttga	aattcatgca	tagttttttc	atcatatgca	113700
ttttccatag	ctttgaacac	ccccatgtaa	ctctcctctt	ccacaaacca	aacaatgaaa	113760
aagcaccttt	gtgatggaag	tttattttgc	aataggaact	cacagtgatc	taagccctgc	113820
tattcatgaa	tataattcat	tactggagtc	caagttgctt	tttggttttt	gaagttctct	113880
tcttcccttg	caggtataga	acaagatgca	gtgaatactt	ttaccaaaata	tatatctcca	113940
gatgctgcta	aaccaataacc	aattacagaa	gcaatgagaa	atgacatcat	aggtaagcag	114000
tgcttgaaac	tatggcaaaa	aaaaaatgac	aaaaaatgca	cagaactgac	aattttcggt	114060
attgactaag	ataatttttt	cttaacatgg	aatttagcag	ttcccttctt	aattttgttt	114120
ctgagtattt	tttatatcgg	attatagctc	actttaaaag	tttctcggct	gcattcgggtg	114180
cgaggggtctt	tgcttgggccc	agatgggctg	cagtgtagcg	gggtgctcagg	cctgcccgtt	114240
gctgagcagc	cgggccggcg	ggcggctacg	ctaaccggca	cagaccaccg	gatggactgg	114300
ccggcagccc	cgcaccagtg	cacgaagtgg	gcgggacaga	aacttctggg	gttggaagtc	114360
cagtggagct	aaaagccggt	accaaagtct	ctaggcatca	gggctgcagc	ccaagagtct	114420
cacgaccagt	gggcaactgg	atggccagac	agggtgtctca	gtgggtggcct	ctccgtctca	114480
gggcttcatc	ccacttctca	gtgggcctga	cgctccctggg	caccctggat	gtctacctgc	114540
attagccaga	gccatcacat	ggcctgtgac	ttgccttttt	ttgccagtgtg	attgtgccac	114600
acacagtgtc	atttctgtgt	catttggcac	agctggagggt	gcaaggagga	gggcagcctc	114660
atgtccagtc	ccagttttcac	gtaactttat	tcttctgaat	aaagacaatt	tgctaaccctt	114720
aaaaaaaaaa	aaaaaaaaaa	agtttttctt	atatgttggg	cccaaattct	taggcttttaa	114780
cctgaataac	aatgacagca	agatcaataa	atagtagaca	tttatataac	actcactgtg	114840
tcccagacaa	tattccaagc	actttttatg	gatagactca	ttttaacttc	taaagaactt	114900
tgtgggataa	atacagttat	tttatagatg	aagaaaactga	agcacagaga	agtttaagtgc	114960
tttgtccagg	gtaacagctc	agatatggca	gagtcaggat	ttgaaactag	accctcacat	115020
accttaactg	ctgtgctgtg	gcagtgtttt	tcatactgta	gggtgggacc	agccttctct	115080
tatgccctca	ccccctgcca	aaaaaaaaaa	aaaaaaaaaa	aaatatatat	atatatatat	115140
atatatatat	atatatatat	aatatatat	tataataaat	atatatatat	ataataatata	115200
tgtattagta	tatatgcata	tatagtatat	attatatatt	agtatatata	ctaatatata	115260
atatacatat	tagtgtgtgt	atataatat	atactagaat	aaaaaaatca	aagtatctca	115320
gagtagtaag	gacaaacatt	tcagaaaaat	gttttcatca	tatatacatg	tatgtatgtg	115380
tatgtctgatt	caacaaatat	atttcttata	ggttatagca	aaatagtgtg	aaagctttta	115440
ctgtgtttta	tcaggaagac	cttaggtgaa	cgtatatcca	cagataaaaag	aggttatttta	115500
ttcattcaat	aaatattaca	ttctcataag	tcctaataat	atgtattttt	attcttcaaa	115560
aaagttagta	tttgtgattt	atgaaataag	acatgttctt	gcacttttag	cagatctgtc	115620
ccgatgttgg	gcttcttttaa	tccttagtgt	gggtgctttg	cactcactca	ctgctgggga	115680
cagcaagacc	cctgttagtc	tcagctgtgt	ttcttaaaat	ggcccactgt	acctccaggt	115740
tagcttttcc	gggttccatg	tcagtgtggc	tctgttttcc	ttttctttct	cccacacaga	115800
tacctataac	ggctataaca	taggcctggg	ggctgttggg	ggcttatccc	tatctgcttg	115860
tatttaaggg	gtactgtttc	actgagtttt	gctgacagat	gttgtcatga	gatttgagggt	115920
tttctgtgtt	gttgctctat	ttttatgtgg	gaatttgcta	ctatcatcat	ccctagacca	115980
gcttttctca	gtaatacaac	agggatgttc	tgactgatta	gagtttgctt	gtttgaagaa	116040
ttggttggct	agtgattttt	ttttgagggg	agctgttacc	agtttaatagc	ctgactggcg	116100
tgtggataaa	aaggaagcag	tttcaagtca	aataaaacac	ttaaaatgaa	accacactgc	116160
aactctcttt	cttttactta	agcttaatca	aattaatgat	gatgtaatcc	catgaaggaa	116220
aagtcttctg	aaggatcaag	ttgataacat	tttgtgatca	aagaatttga	gaaaacctct	116280
atcccagtgt	ctatcattat	atattttagg	atgttaacta	cctgtgtggc	tttaggcaag	116340
tcattttttcc	tccttgagcc	ccattcttaa	tcctgtccaa	attatttggc	tcctcttgca	116400
gttggaactat	tttaatatag	ctgtccttca	agtgagtttt	gttcaaagga	gccttcactt	116460
tagctctttac	tgtgtaccca	ctttgcatag	tcttgttttt	aatgtaatcc	ttggattttt	116520
gggtgtgcta	actaattact	gtttttatgt	gaggatttga	agtgatccag	aatctatact	116580
tgactactct	ccttactctt	ccacaaatgt	ttgaagtggg	agaattttta	aaaactttga	116640
aggtagagct	gacagaattt	gctgatgggt	tgggaagtgg	tggtagagaa	gggaaaaaaa	116700
ggaataaagc	atgactgcat	tttttgtttg	tttgtttgtt	tggttttgag	acggagtctc	116760
actctcgcca	ggctggagtg	cagtggcgtg	atcttggtc	acggcaacct	ccgcctcctg	116820
ggttcaagcg	attcccctgc	ctcagcctcc	caagtactgt	ggactacagg	cgctcgccac	116880
cacgcctggc	taattttttt	ttttgtattt	tagtagaaac	ggggtttcac	cgtgttggcc	116940
aggatgggtct	ccatctcctg	acctcatgat	ctactcacct	tggcctccca	aagtgtctgag	117000
gttacaggca	tatatataag	catataaagt	gtgttatagc	atacaaacag	gtatatatat	117060
aaacatgcag	tccacacagc	tgataggaat	gaggcagtag	tgaaggagaa	gttgatgtag	117120
gagaggggac	agttgtttaca	ggaaagaagt	ctggaggcag	aagggatgaa	ttccagtgtc	117180

cacatagaag	attgcttaga	tgggagcaag	gacaatttat	ctagagtcac	aggaaagaat	117240
gcagtagacg	ggtagagatg	caggtgagtt	gaaagatgtg	agagatgatg	gaaataattt	117300
tctgattgct	tctatattct	caaggaagca	ggaagcaaag	tcctcagcaa	agagaataga	117360
agaggtgtta	aatattttgag	aaaggagatg	tactgtagaa	aaaaaaaaaa	ctcagtttct	117420
ccttctgaac	tctcacaaaa	cagaaccctt	ccatgactct	agttgtgtgg	ggttttttcc	117480
ctgtcagcta	ccaatttctgc	agatgattgt	tcagtgaaca	ccaactgggt	gtcctctaag	117540
tcagttcagt	tctcacactg	tttacctgga	gatagcatca	gatcccacag	attgaggact	117600
ctgtcccaca	agactgcctc	cacttcagat	gccagtctca	agtacaagtt	gtggcctgtg	117660
cttctgactg	accttctata	aattggagtt	cccacagtc	cctccttggg	ttcaataaat	117720
ttgctagagc	agctctcaga	actcagggaa	atgctttaca	tatatattacc	catttattat	117780
aaaggatatt	acaaaggata	cagattgaac	aggcagatgg	aagagatgca	tgggcaagg	117840
atgggagagg	ggcacagagc	ttccatgcac	tctccaggtc	atgccaccct	ccaagaacct	117900
ctacagattt	agctattcag	aagccccct	ccccattctg	tccttttggg	ttttttgtgg	117960
agacttcatt	atataggcat	gattgatcat	tggctattgg	tgatcagctc	aaccttcagc	118020
cccctcatcc	cgggaggttg	gtgggtagg	ctgaaagtc	caaacgtgta	attctgcctt	118080
gggtcttctg	gtgatttagcc	ctcatcctaa	agctctttag	aggccacagc	cacaagctcat	118140
ctcattagcc	ttcaaaagaa	tccagagatt	ccatgaattt	taggcgctgt	atgctaagaa	118200
actggctaaa	ggccagttgc	aatgtctcag	gcctgtaatc	ccagcacttt	gggaggctga	118260
ggcaggagga	tcgttttcagg	ccatgagatc	aaaaccagcc	tgggtcaacat	agtgcagccc	118320
ccctacaaaa	aatttaaaaa	ttggccaggc	ttgtctgtag	tctcagctac	tctcagctac	118380
tcagaaggct	gaggatcact	gagccctgga	ggtgaaggca	gcagtgagcc	atgatcgtgc	118440
cactgactcc	ggcttggggtg	acaaagttag	accttgtctc	agaagaaaaa	ggaaaaaaaa	118500
aaaactgggc	aaagactaaa	taacatattt	cacagtatca	cagatttgta	ttgtctagga	118560
aagtgaatgt	aaacagacca	ggacactagt	atgatccctt	ggtttcatga	aggtcccact	118620
aaagtcatga	acacaaagtg	agactaggca	tcatgttata	tgggttttcc	agccatgttt	118680
aacagctagc	taaatagcta	attgtttcgc	tgcagtttat	tttagcagtt	ccttatttta	118740
gcacatttca	tgttttaaaa	tttctaccaa	taacatttta	ataaactttt	ttacagataa	118800
cttcacaaat	ccataatttt	ttaagttaca	atcccagaaa	tagaattgct	cattgaaagg	118860
gtatgttcat	ttttaaagtt	atgctagaaa	ctgccaaatt	gccttcagaa	aaaggtgttt	118920
gtatccccac	taacactagt	gttagttttc	ttgtgccctt	gctcaagtat	acatatttatt	118980
aaaaacaatg	ttggggccagt	ttactagata	aaagggtgtg	tgccctcctta	ttctaattcta	119040
tttgattact	agtgcagtatg	tatgtctttt	cacgttggtc	attttatgtt	tgttcctttg	119100
tggattgtca	tgtccttttg	tcatttttct	tttggaaacat	ttcttagtag	tttataagag	119160
ctcttggtat	tttaattgata	gtaacctttt	aactgtcatg	catgctgcaa	atcttttttc	119220
tgttttgttg	cctttgtatt	ttgttttttg	agggtttcta	tgtataggaa	ttaaatttta	119280
tgttgttaaa	tcttttgatt	tctgtctttg	catatgtact	tcaaaagact	ttctatttta	119340
agatcaagtg	ttacctgtat	tttcttttag	ttctatttta	aacctcttaa	tttatatgcc	119400
tgtgctgtta	actcccaagt	tgattcacaa	gtgtgtatac	atagtttgaa	tttagtgagg	119460
atttaattat	ttacaacttc	ttttgcagca	aggattttgtg	gagaagatgg	acaggtggat	119520
cccaactgtt	tcgttttggc	acagtcctata	gtccttagtg	caatggagca	agagtgaagt	119580
agttcatatt	ttcacattgt	gcacccatag	gaatttggtg	tcattgttag	gaatgggctt	119640
cactcagcta	aaaacaaagt	atttttgaga	atttaaatat	tttggatatt	tacaagatca	119700
tataaagcat	actctatctt	ggttaacagt	ttcttttaaa	tataaattat	gtgaactctt	119760
aaaattttca	ttttcatttt	caatgttaat	atttcttaag	ttaaaataat	ttgttttttag	119820
ttctgaaata	atttggggag	tgattgagtc	tgtagtgaat	atgactatta	gaattgggtt	119880
atttatttta	ataatgcatg	tcttcagatg	gctctcctaa	tttgttagtt	aggctttaag	119940
ctaaatggat	gctatataac	taaatccaca	tagatttggt	gaaatggctc	cagaggtttt	120000
ttagatttat	tactgctatg	tgcccttaaa	aaaaatctat	tcattctttc	acttaacatt	120060
tatcagaaga	gtgctctgtg	taagacgtgg	ttaggcatag	tgccagtcct	gaagggaagt	120120
acagccta	aaaagacata	gggcatgttg	tttggttact	gtaatatgaa	gtggcatgtg	120180
ttaaatgtca	ggggagaact	acaaagtc	aaaaaggtgg	gagagattac	atacaggtaa	120240
aggaatcagg	aatgacacca	tggggagtaa	ggtagtgttg	acctaggcct	ttaagataca	120300
atagggacag	tatggaaga	gtatattttt	cccacttaaa	ctctttcctt	ggtcgtttcc	120360
tcaaattttc	ccttttgtcc	atgtgcaggc	actttagtga	gtttctgcga	agtcaccatt	120420
tctgtaata	ccagattgaa	gtgctgacca	gtggaactgt	ttacctggct	gacattctct	120480
tctgtgagtc	agccctcttt	tatttctctg	aggtaaagtc	tgcatctctt	ttcacactct	120540
attcgagcat	tccagcctct	aactatcaat	gctggggccc	tgtctatagg	aaataacaca	120600
gaagagccaa	gtcattttcca	aaaagatgta	tcattgtttc	aagttgtttc	tgatggcaag	120660
agtaatttaa	taatatatta	gagagaacat	gaaaattcaa	tgtattaaat	aactctaatt	120720
ttgagaaacc	taattaaact	actgcatgta	agagagtgc	tgttttta	tatttgaggc	120780
tattttaaaa	ccacagaatt	tgaaacttgc	ttccagtgca	taaattgcag	accagacttc	120840
agaagagaaa	aaaagtagta	aattttttct	tatgctcatc	atttttactt	tagtcacttg	120900
ataggattgc	ccagtgaaga	agcatttgca	acagacaatg	agtatattaa	tcttttttag	120960
gcatacagtt	tagtataatg	ctctttgtta	ggcttcaaca	agtgaattaa	ttttgttgga	121020
aagcaaata	ctattaagta	gaaagaggat	tcccagtcct	acaaagcagt	aatttagaca	121080
ctcgattctg	cctctttaca	agaatacagg	tactcagttg	atgtgttttc	tcactccctt	121140
tctttgctat	aagttttaaat	caacaatttg	tttaggttaa	tatgtcctca	tggaatgggtg	121200

gaaatgatca	gatataaaat	at ttggtttg	gttagtttac	tctttatatg	tttgctggca	121260
aggaaccaca	aatccagttt	agtataat	ttactctagt	tcactaaaag	tttgcaccca	121320
gctgtgtagg	tagtgtttgt	ttcttggtta	cttttttttc	gtctaaaaga	atacttttaa	121380
actttttcaat	ctcaaagtac	tgtaaacttg	tgacaggtgt	taacagaaga	agtagatctt	121440
tttgtttttt	gcttatgacc	tgtattttta	tatttgagct	tatagattag	agattgtgag	121500
agaaatctgt	ttatagctct	at tttccctt	gtgtattttt	tcttcctagt	acatggaaaa	121560
agaggatgca	gtgaatatct	tacaattctg	gttggcagca	gataacttcc	agtctcagct	121620
tgctgccaaa	aagggccaat	atgatggaca	ggaggcacag	aatgatgcca	tgattttata	121680
tgacaagtga	gttatattga	tagatggatt	cagcagatac	ttattgaaca	tttgatatgt	121740
tttgtggaaa	taaagatgaa	taaactcagt	ctctgttgct	aaggagctca	caggaggcag	121800
cataaaaagct	gctttttatat	ggtgtttgtg	aagctttggg	ggttcttaga	acaaaagt	121860
ctgctgggaa	aggggaggtg	tatgtggggt	aaacaggatg	gcaatggtgg	tggtcaagga	121920
gtgtttccca	gaagagagat	tttgtttgga	tcccaaagaa	agaagggaat	tttgctaccc	121980
agagaaggca	gaaaacaaca	ttctaggcaa	aggcattggc	ccagaagcca	tggaaacgta	122040
ggggaaagtg	gcactttcaa	gaaacttgag	tttagataat	caaaggagtg	gggaataaat	122100
atgaggatgc	tggtaactaat	tggaaatagat	tgttaaggac	cttgaatgcc	tattttatggg	122160
tatattatac	tttctgtata	aatctgctca	ggcacgttgt	taattagttt	tttattagtt	122220
ttcactgaaa	atgagaggat	ggaaacatca	tacagtaaac	aaaattgaaa	atatctggct	122280
aggcagatga	tgagcttggt	gccagctctg	taacgtatgg	tattcttttc	atttaacttt	122340
tcttactctg	taaaaaaagt	aattcgtggt	cgggcacggg	ggctcactcc	tgtaatcaca	122400
acacttttag	aggcagaggc	aggtgaatcg	cttgagccca	gggaatttgag	accagcctgg	122460
gcaacatggc	aaaacccgcc	tttactaaaa	atacaaaaat	tagctgagcg	tgatggcgtg	122520
cgcctgttgt	cctagctact	taggggcctg	aggcagaagg	atcacctgag	ccttggggagg	122580
tcgaggctgc	agttagctgt	gatccactgt	actccaccct	gggcagggca	gtagagtggg	122640
accctgtctc	caaaaaaaaa	aaaaacaaca	aaggttaatt	gttatttgta	tccttaagca	122700
aatgctaaag	gggtaacttg	gggatagaga	aaagtccaca	gatgttaggg	tttgaagaca	122760
ctaatagtat	ctaggccagt	ggttcctgaa	cattagtctg	tgggctcttg	ctgggctgtc	122820
tgcataggaa	tcacctgaga	gcttatttaa	aatagggttt	caggctgggt	gcggtggctc	122880
acgcctataa	tcccagcact	ttgggaggct	gaggcaggcg	gattacttga	ggtcaggcgt	122940
tcaagaccag	cctggccaac	atggtaaaaa	cccgtctcta	ctaaaaatac	aagaatttagc	123000
caggcatgat	ggcacacacc	tgtaatccca	gctactcagg	aggctgagga	aggagaattg	123060
ctcgagcccg	ggaggtggag	gttgacgtga	gcggagatca	tgccactgca	ctccaggctg	123120
gctgacagag	ggagactctg	tctcagaaaa	aaaaaaaaaa	atagggtttc	agtctgggta	123180
ccggtggctc	acacctgtaa	tcccagcact	ttgggaggcc	aaggcaggca	gatcacttga	123240
ggtcaggagt	ttgagaactg	cctggccaac	atagtgaaac	cttgtctcta	ctagaaacta	123300
caaaaaatta	actgggcatt	ttgacgggtg	cctataatcc	cagctactag	ggaggctgag	123360
gcaggagaat	tgcttgaacc	cgggaggcag	aggactgcat	ctcaaaaaaa	aaaaaaaaaa	123420
aaaggtttcc	agtcctccctg	tctcagaaat	tctgattctg	cagggttgag	gtgtgaccag	123480
gaactcttat	ttttagaaga	cataccagat	aattctgata	aatagccagt	ttagggatgt	123540
agtctaattt	tcctattttg	caagtaagga	aaataaggcc	cagagaggta	atgattttct	123600
caaagtcaca	gaacaagtta	gtggcagaat	ttggactgga	atgcagttct	taatgttctg	123660
tccagtgttt	attctggtac	agtatgtttg	tagaagggtat	tacgtaagaa	acattgttat	123720
atagatgttg	agataggaag	agtttacatt	tagaaatttg	gtctaaaatg	cctgaacatt	123780
caagtcgttg	aggagtattg	accaacttac	ctaatacaac	ataggagatt	cacattttgt	123840
tacaaaaatg	ctgattttaa	aggagagttt	tctttttttt	cttctttttt	atttttttgg	123900
atggagtctt	gctctgtcac	ccaggctaga	gtgcagtgac	acgatctcag	ctcactgcaa	123960
cctccacctc	ctgggttcaa	gcggttctcc	tgccctcagcc	tcctgagtag	ctgggattac	124020
aggtgggggg	caccacgccc	agctaatttt	tgtattttta	gtagagacag	ggtttcacca	124080
tggtggccag	gcgggtcttg	aactcctgac	ctcaagtgat	ccaccaccca	ctgcctccca	124140
aagtgtggg	attataggcg	tgagccactg	tgcccagcct	gcttggtttt	gtatcatata	124200
tatgcatcat	cataatcatg	cattatcaac	ctttgtattt	ctgtcaggac	atagaaacca	124260
ttagagtgtc	tggagagag	cctttttttt	tttctcgcac	ttaatgcttt	ttttggtatt	124320
cattttcata	tcagcttacc	aaaacattac	ctgcattata	ccccatcaag	gtagaaatct	124380
ttgtgttata	aatattgggt	actccctttc	cacaccaggt	catcagtaag	tcctgttcta	124440
tccaaatagg	tcatatgcat	ctagctcacc	cctcagtgct	gttttggttt	gaatttgtag	124500
atgtttactc	ctgatgcctt	gtagttatga	tgatgtgttc	ttattttatt	ctgtgcatac	124560
aagttctcag	ctcgtctttt	agggaaaatg	accatgtctt	cctttcctat	aaatttcctt	124620
ctatctatca	agtcctcaac	agagaatagg	taccataaaa	tatgtgattg	ttagtttctt	124680
tgccctcagtt	gtagtctgat	ccttacagct	tttaacaac	agtagagttc	accgtcaaga	124740
actaaggatg	gttggcaggc	agatagaaag	gtagcaagtt	gacccaacta	tctctgggga	124800
agtgggaaca	aagaaagggt	acatcagcac	tgatcatcaca	tagctctata	gttctaggcc	124860
tgacggctca	atcaagtagc	cctgtataag	attctctgga	ggaggtgctg	aaagttgctt	124920
atacttgcta	tggaaattga	ttttactctg	gatatctttt	taccataggt	acttctccct	124980
ccaagccaca	cactctcttg	gatttgatga	tggtgtacga	ttagaaattg	aatccaatat	125040
ctgcagggaa	ggtgggccac	tccccaactg	tttcacaact	ccattacgtc	aggcctggac	125100
aaccatggag	aaggttaacc	agaacttcaa	acgtatcaaa	ctacaagaag	ttttattggt	125160
agaactcata	aaatataagg	tgggaaaacc	aagcagaata	gcacagtgga	aattgaagca	125220

gtccagcaaa	gtgattaaga	gcagaggcct	tgagtctggc	ctgggtatgta	cagtcacgtg	125280
ccacataaca	tttttagtcaa	cagtggactg	cgtgtacgat	ggctcctgtac	gattataatg	125340
gatcaaagct	ggtagtgcaa	taataacaaa	agttagaaaa	aataaatttt	aataagtaaa	125400
aaagaaaaaa	gaaaaactaa	aaagataaaa	gaataaccaa	gaacaaaaaca	aaaaaaatta	125460
taatggagct	gaaaaatctc	tgttgccctca	tattttactgt	actatacttt	taatcattat	125520
tttagagtgc	tccttctact	tactaagaaa	acagtttaact	gtaaaacagc	ttcagacagg	125580
tccttcagga	ggtttccaga	aggaggcatt	gttatcaaaag	gagatgacgg	ctccatgcgt	125640
gttactgccc	ctgaagacct	tccagtggga	caagatgtgg	aggtgaaaga	aagtgttatt	125700
gatgatcctg	accctgtgta	ggcttaggct	aatgtgggtg	tttgtcttag	tttttaacaa	125760
acaaatttaa	aaagaaaaaa	aaaattaaaa	atagaaaaaa	gcttataaaa	taaggatata	125820
atgaaaatat	ttttgtacag	ctgtatatgt	ttgtgtttta	agctgttatg	acaacagagt	125880
caaaaagcta	aaaaaagtaa	aacagttaaa	aagttacagt	aagctaattt	attattaaag	125940
aaaaaaattt	taaataaatt	tagtgtagcc	taagtgtaca	gtgtaagtct	acagttagtgt	126000
acaataatgt	gctaggcctt	cacattcact	taccactcac	tcgctgactc	acccagagca	126060
acttccagtc	ttgcaagctc	cattcatggt	aagtgcctta	tacagatgta	ccatttttta	126120
tctttttatac	tgtattttta	ctgtgccttt	tctgtatttg	tgtttaaata	cacaaattct	126180
taccattgca	atagtggcct	acgatattca	ttatagtaac	atgtgataca	ggtttgtagc	126240
ccaaaagcaa	taggttgtac	catatagcca	aggggtgtag	tagggccatac	catctagggt	126300
tgtataagta	cactctgtga	tgtttagcaca	atggcaagca	gcctaacgga	aattctgttt	126360
attgattgat	tgattgattg	attgattgag	acagagtttc	actccattgt	ccaggctgga	126420
gtgcagttgc	acagtccttg	cacactgcaa	cttctgcctc	ccagggtcaa	ccaattatcc	126480
tgcctcatcc	tcccaagtag	ctgggattac	aggcaggcac	caccatacct	ggctaatttt	126540
tgtatttttag	tagagacagg	gtttcaccat	tttggccagg	ctgttctcga	actcctgacc	126600
ttaagtgate	tgcctgcttt	ggcctccgaa	agtgtctgga	ttacaggcat	gagctaccat	126660
gcttgggcag	taactgaaat	tctctaagtc	cattttcctt	atctgtaaag	tgacgataat	126720
atgcacgttt	acctcaaatg	tactttgatg	attaaagtaa	ggtaatgtat	ataaaataca	126780
tattaacata	gtacctgaca	catggtaagc	atcaaaaaat	gttaactact	tttattacta	126840
ttattattac	gtatttttaa	ataattagag	agcagtatca	aaaatagct	gggcgtagt	126900
gcatgcacct	atagttccag	ctactcagga	ggctgaagct	ggaggattgc	atgagcctgg	126960
gaattaaagg	ctgcagtgag	cogtgttcat	gccccctgac	tccagccttg	gtgacagagc	127020
aagaccctgt	cttgaacaat	taaagaaggc	attatgccgc	aacgttagct	tagaaatgat	127080
ccacatatat	caccagtaac	tgtcaacagg	attggaaccc	tagttttggg	tattatgatc	127140
acaaggtatt	attaatagct	tattaataat	aaagcgttgg	ctaggcacgg	cgactcacat	127200
ctgtaatccc	agcacttttg	gaggccgagg	tgggtggatc	acctgaggtc	aggagtttga	127260
gaccagcctg	accaacatgg	agaaacccca	tctctactaa	aaatacaaaa	ttagccgggg	127320
gtggtggtgc	atgcctgtaa	tcccagctac	ttaggaggct	gaggcaggaa	aatctcttga	127380
acccgggagg	cagaggttgc	agtgagctga	gatcgcacca	ttgcactcca	gcctgggcaa	127440
caagagcaaa	actccgtctc	aaaaatataa	ttataataaa	taaataaaaag	taaagtattg	127500
atggtttgtga	atgatttatt	cttctaattg	actagaggag	atttttccag	gaattttcaga	127560
gccagtggag	ttatgttgct	tgtatgtgtc	atgtgtatcc	aggtgaaaaa	acttaattaa	127620
acgctattat	ataataccat	acataaaaaac	tgaatttttag	gaatactgaa	gaatgacata	127680
tagaagtcaa	atcattaaat	agctagtagt	aaacagaata	gagtgtcagc	tgttacccaa	127740
tgatgataat	atttttcacga	ttaaaattaa	accttttctg	attttaaagg	aaaagttcag	127800
atctgtatca	tataagaat	gtaaaatttc	agggtataaa	aattaaaatg	cagagagaaa	127860
aatgcaaaaa	tagttcttac	tagatgtgtg	tatgtaagga	acttagacta	attttaagaa	127920
cactgtcaag	accttggtag	ttaggttagga	aaaaagacat	gaatgattca	ttcaacaaaa	127980
actttgagta	tttctgtgct	agatggtagt	gttacagtgg	taaacaaaaat	aaatgtgttt	128040
ctgctatcct	ggagcttagt	ctacaaaaaa	ggatcataat	ggccggggcac	ggtggctcac	128100
gctgtaatc	ctagcacttt	ggaagatcga	ggcgggtgga	tcacctgagg	tcaggagtct	128160
aagaccagct	tggccaacat	ggcgaaaccc	cgtctctact	aaaaatacaa	aaattaactg	128220
ggtgtggtgg	cggacacctg	taatcccagc	tactcgggag	gctgaggcag	gagaatcact	128280
tgaacctggg	agacagagggt	tccagttagt	cgagatcatg	ccactgcatt	ccagcccggt	128340
ggacaaaagc	gaaaatacgt	ctcaaaaaaa	caaaaacaaa	caacaaaggc	acgtattaaa	128400
tacgaacata	aattatttaca	aattatactg	aataagttct	catgtttatt	atttgcttgt	128460
ccagttacaa	acttttcctt	cgtagaatta	gaaatataaa	taataaacat	gagaactcat	128520
tcagtataat	taataattat	taaatgtaaa	taaaaacatc	tatgtacaat	taggcattta	128580
tttaagaatt	atttgaaaaa	aaaacaatgt	ggaacagat	attttgatat	atttgtagtg	128640
attgaaattg	ataattgtct	tttgaagagt	aaagtgacca	tatatattaa	agttaaaaat	128700
taactcagca	atcacacgcc	tggtagtgta	tcttaaggaa	atcagtttga	aagtaaaatc	128760
aatatatgca	caaagacttt	aacattttatc	ataaaccaga	aaaatcgagt	ttcaaattat	128820
atcctatgga	ctattttctg	ctaaaaagta	ttaatatcaa	ctttatgtaa	tactttcgtg	128880
acaaatattt	tggggggagaa	aacccaacaa	aattacatgt	attgtaattt	tttttttttt	128940
tttttttttt	gacagctctg	ctccagcgtc	caggctggag	tgcagtgggtg	caatctcggc	129000
tcactgcaac	ctccatctcc	caggttcaag	caattctcct	gcctcaggcc	tcccagtagt	129060
ctgggattac	agggcgtcac	caccatgcct	agctaatttt	tatagttttt	agtagagatg	129120
gggtttcatc	atgttggcca	ggctggtcct	gaactcctgg	tctcaagtga	tccgtctgcc	129180
tcggcctcct	agagtgtcga	gattacaggt	gtaagccact	gcacccagcc	ttatgcatta	129240

taattttaat	ttgtaaactg	tacaaagggg	taatacttgt	agtacaacaa	gaagtaaaaa	129300
catttggtat	aggtagttaa	catttgtaac	cagtagaatt	ataggtaaaa	tttattttatt	129360
taaaacagtt	ttagttggat	ttgatttcaa	ctttaaaata	atgcttttca	tctctatcag	129420
gtctttttgc	ctggcttttt	gtccagcaat	ctttattata	aatatttgaa	tgatctcatc	129480
cattcggttc	gaggagatga	atttctgggc	gggaacgtgt	cgctgactgc	tcctggctct	129540
gttggccctc	ctgatgagtc	tcaccagggg	agttctgaca	gctctgctgc	tcagggtattg	129600
actgattgcg	tctgccatta	gggagaaaaa	catacacatc	ctttccttca	catcccagta	129660
acagatccta	ttatttgtaa	attttaagtt	gtggaaaaaa	aagataaaaag	ccaggcacag	129720
tggcctgtgc	ctgtaatccc	agcacttttg	gaggctgcgg	tgggcccgatc	acacgaggtc	129780
aggaattcga	gaccagcctg	gccgacatgg	tgaaccccca	tctctactaa	aaatacaaaa	129840
attagccggg	catggtggca	ggcacctgta	atcctagcta	cttggggaggc	tgaggcagga	129900
gaatcgcttg	aacccaggag	gcagagggtg	caatgaacca	aaatcacgcc	actgcactcc	129960
agcctgggtg	acaaagttag	actgtgtctc	aaaaaaaaaa	aaaaaagaga	gaaataaaat	130020
tagcctactt	actatcttct	aatcaaagca	tttgtggtaa	cttaaaatat	actgtattgt	130080
aaagtatcat	gctgtttcat	ttaggccatt	attctatttg	aatctgtggc	tgtttctctt	130140
aataaatcaa	gtaatatgga	atatattcat	agcctctgaa	gagctcttta	tgtaagtatt	130200
tatttaggat	actttttgta	aaataagtga	atgaattctt	aggtctcctt	tttttttctt	130260
ttcttgagac	aggggtctcct	cgctgcaacc	tggaaattct	gggctcaaat	aatccaccca	130320
ccacagcctc	ctgaatagct	gggactagag	gcatgcacca	ccacgcctgg	ctaatttgaa	130380
attttttttt	ggccaggcat	gatgggtcac	gctctgaatc	ccagcacttt	gggagaccga	130440
ggcaggcaga	tcacgaggtc	gggagatgga	gaccagcctg	gccaacgtgg	tgaaccccg	130500
tctctactaa	aaatacaaaa	attagctggt	tatggtggct	catgcctgta	atcccagcta	130560
cttggggaggc	tgaggcagga	gaatggcttc	aaccagggag	tcggagggtg	cagttagccg	130620
agatcacgcc	actgcactcc	tgcatgggtga	cagagtgaga	ctccatctca	aaaaaaattt	130680
tttttttaaa	tgatggagtc	ttgctgtggt	gtcaggctga	gtcttgaacc	cctgacctca	130740
aatgccgcct	gcttcagcct	aagtttcttt	tttttttgta	aagagacagg	gtcttgctat	130800
gttggccagg	gtagtctcaa	actcctggct	tcaagcagtc	ctcccacctt	ggcctctcaa	130860
agtgtcggga	ttacaggcgt	gaaccactac	ctataatgtt	gtgtttcact	caaggccttt	130920
tgattttcgt	ttgcattacc	gtgccacatt	gtgcatttcc	ttgacctttt	ttgggttttt	130980
tggagtgcct	tcatatgtta	aaccatacct	gattctcctc	aaaatcacac	aaagtagaatt	131040
atcctaagac	aagaaatcta	aggaggcata	aagaagttaa	ctggttttat	taaactcaca	131100
cagtaaatga	tagagccaga	aatattcccc	ttctagtgtt	cttcaccatc	agcttaatgt	131160
agcataataa	ttttctaatt	actgttgaca	aataaataac	cctttgaatt	ttcaatactg	131220
ggccttggat	aaattttcct	aatttgtaag	agagtattat	cgtattgcca	ttacaaaagc	131280
tctcctgagt	atctttttct	tctgttaagt	ttacctagga	gataaactgc	tgagtattgt	131340
tgccattttg	gttttttgat	ataggttaga	atgtcttggt	tttttttttt	tttttttttg	131400
gtttttgttg	ttgtcattgt	ttgagacagc	atcttgcctc	gtcgcccagg	ctggagtgca	131460
atggcacgat	cgtggctcac	tgcaacctcc	acctcccggg	ttcaagcaat	tctcctgcct	131520
cagcttctctg	agtagctggg	attacaggca	gtgcgaacca	cacctggcta	atttttgtgt	131580
ttttagtaga	gaagggggtt	cacctgtgtg	tgtcaggctgg	tattgaaactg	ctgacctcat	131640
gatccacctg	cctcggcctc	ccaaagtgtc	gggattgcag	gcatgagcca	ctgcacctgg	131700
ctgaatgtct	tgtttttgat	taggcactta	agaaaggcct	aggtactaac	cataaaatat	131760
atctttatac	cttttttgta	tactatata	atagaaaact	gcacttatca	taaccttaga	131820
caccttgaa	aatgttcaca	agcagaacta	agatagaaac	ccagcatccc	agatcaaaaa	131880
cagcattatc	agccccctc	gaagccccct	tgggccccct	ccattcactg	tccttcttgt	131940
caccagggtg	gtactatccc	tgacttttga	tggcatagat	tagcattacc	tgttcttgtc	132000
atttttataa	taaaaccata	ctgtgtatcc	ttttcttgta	cagctttatt	gtgctaattc	132060
acattttacat	catacaattc	agtgggtttt	atatggtcac	agagtttaggt	aaccattacc	132120
acatcgattt	tagaacattt	ttttcactcc	agatagaaac	cccctttact	taaactccaa	132180
atccccact	ccaccagccc	taggcagcca	ctagtctact	ttttatctct	atagagacaa	132240
tagatttgct	tattctggac	atttcataaa	catggaaccg	tatattatgt	ggctctttgt	132300
tgccaaactg	ctttcactta	gcatcatgtg	ttcaaaaagag	catcatgtta	tccatgtttg	132360
gcatgtatca	gaattttatt	cctcattatg	gccaaatatc	ccattgcaag	gatttatgac	132420
attttatttg	aatgttacc	tcctttctgc	catttatcaa	taatgctact	gtgaccattt	132480
gtgtacaagt	ttttgtgtgg	atacagggtt	tctttttgtt	tttaaatttg	aggtggagtc	132540
ttgtctgtgc	gcccaggctg	gagtgcagtg	gcacaatctc	ggctcactgc	aacctctgtc	132600
tcttgggttc	aagcagttct	cctgcctcag	cctcccagat	atctgggact	ataggcacgc	132660
accaccacgc	ccagctaat	ttttagtaga	gatgggggtt	caccatgttg	gccagctggg	132720
tctcgaactc	ttgacctcaa	gtgatccacc	catctcggcc	tcccaaagtg	ctgggattac	132780
aggggtgagc	cactatgccc	ggctgtgggt	ttcatttctt	ttgttgata	tacataggag	132840
tagaattgct	gagtcaagag	gtaactctta	aacttattga	aaaactgcca	gattgttttc	132900
cgaaaaggct	gcaccatttt	gcaatcccac	cagcagtgta	tgagttttac	agcttctcca	132960
catttctattg	gaacttttta	tctgtttggc	tgtttttaaa	aatgatagtc	attccaataa	133020
gttctacttc	agtgtgggtt	ttgcacttct	ctgatgagta	atgatgttga	gcactttttc	133080
atttgcttat	tggcctttgt	tctagctttg	gaaaaatgtt	tattcaaate	ctttggccat	133140
ttttattttt	atttttattt	atttattttt	ttttgagacc	aagtctcact	ctgtcagcca	133200
ggctggagta	caatggtgtg	gtctcagctc	actgcaacct	ccgcctcctg	tgttcaagtg	133260

attctcctgc	ctcagcctcc	cgagtagctg	ggattacatt	tcaggcacct	gccagcatgc	133320
cgggctgatt	tttgtatttt	tactagtgc	agggtttcac	catgttagcc	aggctgggtca	133380
caaactcctg	acctcaggtg	atctgcctgc	ctaggettcc	caaagtgtg	ggattacagg	133440
cgtgagccat	tgggcccagc	ctagattttc	ttttttcttt	ttttttttga	gaaggagtct	133500
tgtcttgtt	gcccaggctg	gagtgcattg	gcacaatctt	ggctcactgc	aacctctgcc	133560
tectgggttc	aagcgatttt	cctgcctcag	cctccccagt	agctgggatt	acagggtgct	133620
accaccacac	ccagctaact	tttgtatttt	ttttagagac	agggtttcac	catgttgccc	133680
aggctgggtc	caactcctga	cctcaggtga	tccacctgcc	ttggcctccc	gaagtgtctg	133740
gattaccggc	atgagctacc	aggcccagcc	aattttctca	ttatattgcc	caggctgggtc	133800
tcaaactcct	gggttcaagt	gatcctcctg	ccttggcctc	ccaaagtgtg	gggagtacag	133860
gcgtgagcca	ccttgctcag	cccctttgcc	cattttttaa	ttagattgcc	tttttatatt	133920
gagtttcagg	agtcctttat	atattctaga	taaatgtccc	ttatcaaatt	atattatttc	133980
cagggtatttt	cttcattctg	tgagttgtct	ttcctctacc	ttttaaaaaa	ggtgggtttt	134040
tgtttgtttg	tttgtttgtt	tttttaagat	aagggtctcat	tctgctgccc	aggctggagt	134100
gcagtggcac	aatcacagct	cactgccacc	tcaacttctc	gggcccgaagt	gatcctctta	134160
cttcagccctc	ctgaatagct	agggccatag	atacacacta	tcacaccag	cttttttttt	134220
ctgtttgtag	agacagatct	tactgtgttg	cccaagttgg	tctcaaactc	taggctcaaa	134280
gtgattctcc	cacctctgcc	tcccagagtg	ctgggattac	agggtgtgagc	cacacgcaac	134340
ctgtcttttc	actattaata	gtgtcttctc	gcttcagcct	cccagtagc	tgggattaca	134400
ggcaccaccc	accatgcctg	gctaattttt	ttgcattttt	agtagagaca	gtgtttcacc	134460
atgttcaccc	ggctgggtct	gaactcctga	cctcaggtga	ttcacctgcc	atggcctccc	134520
aaagtgtctg	gattacaggc	gtgagccact	gcacccggcc	aaaatattgc	cttcttaaca	134580
gtattgtctt	ctaatttgtg	aacatggatg	tatcttcatg	tatttatgtg	ttctttcatt	134640
tcagcagaat	tttgtagtgt	tcagagtaga	agcctttcac	ctccttgggt	catttattcc	134700
tatgttttaa	gttcttttcg	attccattat	aaatagaatt	gttttcttaa	tttcattttc	134760
agattgtttg	atgagagagc	atagaaatag	aagtgttttt	tacatgttga	tcttgcaact	134820
tcaactttga	taaatctgat	tgtagctctt	aatagttttc	ttgtggattc	tttaggattt	134880
tcaatatata	agatcatgtc	atttatggat	agagatagtt	ttttttctgg	ctagaactta	134940
cagagcaatg	atgagtagaa	gtggcagaag	caaaaatctt	tgtcttgttt	cctatctgac	135000
agggaaagct	ttcagtttca	tcattttaata	tgatgttagg	tgtgggtttt	caataaatgc	135060
cttttttcag	attcaggaat	ttccctatca	ttcctgattt	tttaaggctt	tttttttttt	135120
ttaaatcatg	aaaggggtgt	gaatattgtc	atgttctttc	tgtatcagta	taaatgatcc	135180
tatggatttt	gggtttttatt	ctgttgatgt	gaaatattaa	ttgattttca	gatgttaaac	135240
caaccttgca	tacctgagat	gaatctcact	tggtcatggt	gtataatctt	ttcaatattg	135300
tgctggattc	tatttactgg	tattttgttg	aagattttgt	atctgaacgc	ttaaagatac	135360
atttacactc	tatcagaaat	gaattgacca	taaatgtgag	agtgtatttg	tgggttcttg	135420
attctcttcc	attccaaaga	tagacatata	tccgtctgta	tgtctgtctt	tatgccagta	135480
ccatactctc	ttgattacta	ttgctttgta	ataagttttg	aaatcagaaa	gtataaatga	135540
gatttttggta	tctgagtaac	agtcctcata	gaattagtgt	ggaaatattc	cctctttatt	135600
ctgggtccctc	tttctttttt	gtttaactgt	gtatcttgga	gattgttctt	tctcaacaca	135660
tgagagccgc	tttccctacc	ctcccacccc	tgctatagag	aggctcataa	gtgtctgttc	135720
aattatttta	tttacttaac	ctattactta	gtcggggaca	ttaaagcttg	ttatgtcttt	135780
tatttttaaac	aatgctgcag	tgaataatct	tgtatataag	tcattttcca	tcaatataag	135840
tctctctgta	actgaatttt	tagaagtgga	atttctaggt	caacctatgg	ctctgtattt	135900
cacaaaaata	ccaattctgg	tttttcttgt	ggaggtgggg	agtaggaggt	agaatgctgg	135960
aggagaactt	gctgtactca	gctggctagt	catttttagaa	agggttccct	agcttctttt	136020
tgtcatatgg	cctcaccaag	aatcaaaaac	attcctattt	accctgtaaa	catggggctt	136080
tactacccea	gatacatatt	tctggatgta	tgacagcttt	tcatattgaa	gaaataatgc	136140
tgtgagtaca	gcacatttgt	tggaacttag	gtcgtaaga	atgtcttata	aattcatata	136200
ttatacattt	tatttttattt	tatttttttag	tttttgatac	agagtcttcc	tctgtcgccc	136260
aggccagcgt	gcagtggtac	aatcctggct	cactgcgacc	tccatctcct	gggtcgaagt	136320
gattctcatg	tctcagcctc	cagagtagct	atggttacag	gcattgcacca	ccatgcccgg	136380
ctaatttttt	tatttttagt	agaaaactgg	tttcaccata	tgaccatgc	tggcctcgaa	136440
ctcttggcct	caagtgtatg	gcctgcctca	gcctcccaaa	gtgctgggat	ccttgtattg	136500
ggtaaaagat	gaatattgag	ggctgcatgg	tggtcatatc	ctgtaatccc	agcactttct	136560
gagactgagg	tgggaggagt	cctggagccc	aggaggggtga	ggctgcagtg	agttgtgatc	136620
gcgccattgc	acttcaacct	aggaattata	ggcttcagtc	actgtgcccg	gcattgtacat	136680
tttaaatattg	tgctttcctc	tttttagctat	aggttagaggt	actgtgaggt	agtcatttgtt	136740
gttaagcatc	ttaatagtga	tgaggttgag	tgaaagttac	ttctatttca	aacactgaag	136800
aaaattttgt	acaaatctgt	cacattccaa	gcccaggact	gattgtttca	tatacttcta	136860
atttttacaat	ttctattgta	gtccagtggt	aaaaaagcca	gtattaaaaat	actgaaaaat	136920
tttgatgaag	cgataattgt	ggatgcggca	agtctggatc	cagaatcttt	atatcaacgc	136980
acatatgccg	gctaagctta	gctcatgcct	agaattttta	caagtgtaaa	taactttgca	137040
tcttttaaat	tttttaatta	aattttacat	ttttttctaa	tctattatta	tatgcccaga	137100
actttcactt	agagtgtgca	gtataatgtg	gtgggttaagt	ataaaggctc	tggagtgcact	137160
tcctgggttt	taatcttggc	tctgccattt	attggcagcc	gctaacctct	tggtatctca	137220
gtttcttcat	ctgtaaaatg	agaataataa	agtgaaaaga	tgccaacatc	atttactctg	137280

ggctgcataa	ctgataacttg	gaaaaagtat	tcctttgagt	ttaagaatta	agttgggtat	137340
tcatttttagc	ttgtaataaaa	aagatagtg	ttcataggat	atgccactta	ctgaaattta	137400
ccacagatcc	aatacataaaa	tcactttctc	ttccctaag	atagcttgat	taacatgtaa	137460
aggtgtgtaa	aggcttgatt	acactaccct	gatccgtacc	ccagttccca	gcagcaccat	137520
gaaaaaggga	tttcaacata	tttaattact	ttcagtagaa	agtaacagtg	gtaggccagg	137580
cgcagtggct	cacacctgta	atcccagcac	tttgggaggc	cgaggtgggc	ggatcacgag	137640
gtcaggagat	tgagaccatc	ctggctaaca	cgatgaaacc	ccgtctctac	taaaaataca	137700
aaaaattagc	cgggcatggg	ggcaggcacc	tgtagtccca	gctacttggg	aggctgagac	137760
aggagaatgg	cgtgagcccg	ggaggcggag	cttgagtgga	gcttagattg	tgccactgca	137820
ctccagcctg	cgcagtggag	cgagactctt	gtctcaaaaa	aaaagaaagt	aacagtggta	137880
ttgggagact	gaggagccta	gaaagtactt	gaaggaaagta	aaaggtttgt	ttgaccacat	137940
tgtattttgga	aagccagctt	tttcagctgt	gtcagctttg	tgtagtgtat	tttagttctt	138000
cttttagaaa	ataacggaca	aggccgggca	cggtggctca	cgctgtaat	cccaccactt	138060
tgggaggccg	agacgggagg	attacctgat	ctcaggagtt	cgagaccagc	ctgggcaaca	138120
tggtgaaacc	ccgtctctac	taaaatacaa	aaagttagcc	gggctgggtg	gcgtgtgcct	138180
gtagtcccag	ctactccgga	ggctgaggca	ggagaattgc	ttgaaccggg	gaggcggagg	138240
ttgcagtgag	ccaagatcac	accattgcac	tgcagcctgc	gcgacagagt	aagactctgt	138300
ctcaaaaaat	aataataaaa	taaaaaagaa	tggacagtaa	acctaaatga	gttcattccc	138360
aaagatgatg	ttattcttaa	gggatgggtc	atttatttaa	gaccttacat	aaagtctatc	138420
aattgcgtga	tttttcaact	ctgtaattgt	gtgtatgtat	aatgtaaaata	tatatgtttt	138480
tgtttttgtt	tggttttttg	agacggagtg	tcgctctgtt	gctcaggctg	gaatgcagtg	138540
gtgcaatctc	agctctctgc	aacctctgtc	tcccagggtt	aagcgtttct	tctgcctcat	138600
cctcccaagt	agctgggact	acaggcacgt	gccaccacgc	ccggctaatt	ttttgtattt	138660
ttagtagaga	tggggtttca	ccgtgttagc	caggatgggt	tcaatctcct	gacctcgtga	138720
tccaccggcc	ttggcttccc	aaagtgttgc	tattacaggc	atgagccacc	acaccagca	138780
tgtatttttt	aaatgtataa	aatgaagcag	aaaagagaaa	tgataatttt	tcttcatctt	138840
gaaagattat	cttcaccagg	cgcagtggct	cacacttgta	atcccagcac	tttgggaggc	138900
ctcggcaggc	ggctcacttg	agttcgaaac	cagcctggcc	gacatgggtg	aactccgtct	138960
ctactaaaaa	taaataaata	aagatgggtt	taatatatgt	tttagtttta	tgatttttagc	139020
atctttctga	aatttttctc	aaggcaagta	aatttgcata	agttgggtata	ttggtaccca	139080
tctatgaaat	aacttattag	gaagatatct	ctaaaataag	atcactttgc	ctaaaaataa	139140
ctgatataat	gatgttcaca	gaatttttct	tttaaccgac	ttgataaatg	cattattctt	139200
gacgtcaagt	gatccacctt	cctcagcctc	ccaaagtgtc	gggattacac	acatgagcca	139260
ccgcacctgg	cattattctt	ataaaagggt	aaatttctag	ttaagttaa	tgtcctcttt	139320
gttcagtgtac	cattgtctat	tttcttccct	tcctactcac	agtaatcatt	cttatgggtat	139380
gcacttttgt	ttgcttattt	ttatgtaatt	gatattacgc	tccattctgt	acgttgtact	139440
ttcatttcaca	gtgagttttg	gacattccta	tgttcatact	tacagactta	cttcatttta	139500
actacactgt	agtattccgt	atgtaatat	tactataact	catcactgta	gcagagcatc	139560
tcatagtgta	tgtattctg	ttttgccatt	ttgggtatcaa	tgagtattta	agtcatctgc	139620
agtttttccc	tcttatacc	agtattacag	aggatctctt	tttatatgct	tctttgtacc	139680
aagaggcaga	ttaaaaaatt	tttttttgaa	aaaatttttg	aaaaaaaatg	aatgaagtc	139740
tcactatggt	gcccagggtg	gtctcaaact	cctagggtca	agcaatcctt	ccatcttggc	139800
ctcccaagt	gctgggggtg	caggcatgag	ccaccatgac	tggcctacat	tttaaatatt	139860
gatagctctt	acaatttact	ttgtaaaagta	tctgcatcat	tttatgttct	caccagtctt	139920
taataagaat	acttcatact	tttggctgga	cacagtggct	cacgcctgta	atcccagcac	139980
tttgggaggc	cgaggcgggc	agatcaagag	atcgagacca	ccctggccaa	tatggtgaaa	140040
ccctgtctct	actaaaaata	caaaaattag	ctgggctgtg	tggcgccacc	gtagtcccag	140100
ctactcgaga	ggctgagaca	ggagaatcac	ttgaaccggg	gaggtggagg	ttgcagtga	140160
cttagatcac	accactgcac	tccagcctag	caacagagtg	agactctgtc	tcaaaaaaaa	140220
aaaagaatac	ttcagactta	attttttttc	cagtcttaag	tgtttgctaa	tgagattgag	140280
tttcttttgg	tatgtctctt	gattgttcag	gttttttctt	ttatgaattg	actgttcatc	140340
tctttttcac	attatttctg	ttgggtgatt	ttattagtga	cttgttaaaa	ttctgtatat	140400
tttttcagca	tgacatttca	ttattcaaaa	aaaaaaaag	attctctatg	ttctctgata	140460
ctaatacattg	gttgggtaata	ccttaaaaat	aagaccctta	ctgtattttt	tgcttttttt	140520
tttttttttt	tttttttttt	tttgagatag	agtcttgctc	tgttgcccag	gctggagtgc	140580
aatgggtatga	tctcggctct	cagctcactg	caactgcaac	ctctacctcc	ctgtttcaag	140640
caattctctc	gccttagcct	cccaagtagc	tgggattaca	ggcatccacc	accacaccca	140700
gctaattttt	gtatttttag	tagagacagg	gtttcaccat	gttggccagg	ctggtctcaa	140760
actactggcc	tcaagtgatc	cgctgcctc	ggcatcccaa	agtactggga	ttacaggcat	140820
gagccacagt	gcctagccac	tttttgcttt	ttactttgt	tttatagtac	tatagtttta	140880
gtataaacag	atgtatgtat	acacacaact	atggctttat	aatatgtttc	agtcatttgt	140940
agagcaaggc	ctaccttttg	ggtgcttctt	ttacaaaatt	gtcttggtga	ttcttgtgcc	141000
ttttttctta	tttgtgaatt	tttagaattgt	gaattaccctg	ttgactcacc	atgttttgtta	141060
aactgaggat	tttgaatgga	attgcaactca	attaaagatt	atcttgcttt	ctgtgcagca	141120
atgttttatt	tcaataaatc	cctactttta	attacttagg	atagctataa	attgtgtttc	141180
tggctttcta	gatttagatg	aaacgcttta	aattgattgt	tttctcctaa	atttaaaact	141240
gattgttaga	agttaaagtc	ttctgttcat	tcttatttag	gaagatgaca	tttgggaagag	141300

t c a g t g a c t t	g g g g c a a t t c	a t c c g a g a a t	c t g a g c c t g a	a c c t g a t g t a	a g g a a t c a a	141360
a a g g t t t g t g	g t g t t t t t a t	a c t t c a t a t t	a a g c c t t t a c	t c a c a t t a g t	g a t t g a c t g t	141420
a a g t c a a a g a	c c a c t t a a g g	t t t a a a c t g t	t t a t t t t g t a	a a g t a a c c a c	t g t a t c t t t c	141480
a c c t t g t g t t	t a t a g t c a g a	a g t a a g t a c a	a g g g c t t c c t	g t a g t c a c a t	c t t t a t g c a a	141540
t c t c c t c t g a	a t c a a a a g t t	a g t g a a c t t g	c t t t g c c a c t	c c a g a a g g c a	c a t g a a t a t g	141600
a a a a g c a t t	g t c t a t t t t c	t t a t t t a a t g	g c a a a a t a c c	c g a c c t a a g t	t g g a c t t a a t	141660
g t t t g a g a c c	g t t t a t t t t a	t t a a a t t a t a	t t t t t t c t c t	t t t c t t t t t t	t t t t t t g a g a	141720
c a g t t c t t g c	t c t g t c a c c c	a g a c c g g a g t	g c a g t g g t c t	g a c c g c a c c t	c a c t g c a a c c	141780
t c t g c t t c c t	a g g t t c a a g c	g a t t t t c c t g	c c t c a t c c t c	c t g a g t a g c t	g g g a c t a c a a	141840
g t g c g c a c c a	c c a c a c c t g g	c t a a t t t t t g	t a t t t t t a g c	a g a g a t g a g g	t t t c a c c a c g	141900
t t g g c t a g g c	t g g t c t c a t a	c t c c t g a c c t	c a a g c a a t c c	a t c c g c c t t g	g c t t c c c a a a	141960
g t g c t g g g a t	t a c a a g t g t g	a g c c a c c a t g	c c t g g c c t t a	t t a a a t t a t t	t t t a t t a a a t	142020
t t c c t c a a g a	t t g a t g a a a g	t a a t g a a a t a	t a a a a g t a a t	g a a a t a t a t g	t g g a a a a t a g	142080
a c t g g a t t a a	g a a a a t g t g g	c a c a t a t a c a	c c a t g g a t a c	t a t g c a g c c a	t a a a a a a g g a	142140
t g a g t t c a t g	t c c t t t g t a g	g g a c a t g g a t	g a a g c t g g a a	a c c a t c a a t t c	t g a g c a a a c t	142200
g t c t c a a g g a	t a g a a a a c c a	a a c a c c g c a t	g c t c t c a c t c	a t a g g t g g g a	a t t g a a c a a t	142260
g a g a a c a c t t	g g a c a c a g g g	t g g g g a a c a t	c a c a c g c t g g	g g c c t g t c g t	g g g g t g g g g g	142320
g c t g g g g g a g	g a a t a g c a t t	a g g a g a t a t a	c c t a a t a t a a	a t g a c g a g t t	a a t g g g t g c a	142380
g c a c a c c a a c	a t g g t a c a t g	t a t a c a t a t g	t a a c a a a g c t	g c a c g t t g t g	c a c a t g t a c c	142440
c t a g a a c t t a	a a g t a a t a a t	a a t t t a a a a a	a a a t a a a t a t	a t g t g g a a a a	t a t t a a t a g g	142500
t c a a a a t t c a	a a t t g t t c a t	t t a a t c a g a a	g a g t a g t t t a	g t c a a a t c c a	a g g g t t a g a c	142560
a a c a g a a a t c	t t t t t t g t c a	a g t g c a t t c t	t t g t g a c t g a	t t t c a t t t t c	t t c c t g g t t t	142620
a c a c a g g a a g	a t t t c a g a a a	c a a a t g t g g a	t c c g t g a c a g	a t g g t a t c t a	g a a g t t t t t a	142680
g t t t g g t t g a	a t t g a c a g t a	t t t t a t t g a g	t a a a a g a t a c	t a a t t t t t g t	a a g a a g a a a a	142740
a t t c a a t t t t	g a t a a g t a t g	t t t a a g a t t a	a g a g c t a t t g	g c c a g g c g c t	t g g g t c a t g	142800
c c t g t a a t c c	t a g c a c t t t g	g g a a g c t g g a	g c a g g t g g g t	c a c g a g g t c a	a g a g a t t g a g	142860
a c c a t c c t g g	c c a a c a t g g t	g a a a c c c t g t	c t c t a c t a a a	t t a g c c a g g c	g t g g t g g c a c	142920
a t g c c t g t g c	a c c c g c c t c c	g g g t t t a a g c	g a t c c t a c t g	c c t c a g g c t c	c t g a g t a g c t	142980
g g g a t t a c a g	g c g c c a t g g c	t a a t t t t t g c	a t t t t t a g t a	g a g a c a g g g t	t t c a c t a c a t	143040
t g g c c a g g c t	g g t c t g g t c t	c a a a c t c c t g	a c c t c a g g t g	a t c t g c c c g c	c t t a g c c t c c	143100
c a a a g t g c t g	g g a t t a c a g g	c a t g a t t c a c	c a t g t c t g g c	c a t t t a t c t t	a t t t t c t t t t	143160
t t t t t t t t t t	t t t t g t t t g a	g a c g g a g t c t	t g c t g t g t c g	c c c a g a g c t g	g a g t g c a a t g	143220
g t g c g a t c t c	a g c t c a c t g c	a a c c t c t g c c	t c c t g g g t t c	a a g c a a t t c t	c c t g c c t c a g	143280
t c t t c c a a g t	a g c t g g g a t t	a c a g g c g c g t	g c c a c c a c a t	c t a g c t a a t t	t t t g t a t t t t	143340
t a g t a g a g a c	a g g g t t t c a c	c a t g t t g g c c	a g g c t g g t c t	c g g a a c t c c t	g a c c t c g t a a	143400
t c t g c c c a c c	t c g g c c t c c c	a a a g t g c t g a	g a t t a c a a g t	g t g a g c c a c t	g t g c c c a g c c	143460
a t c t t a t t t t	c t t t c t t t t t	t t t t g t c g g g	t g g g a g g g g g	a c a g a g t c t a	g c t c t g t c g c	143520
c a g g c t t g g c	t c a c t g c a a c	c t c t g c c c c c	c a g g t t c t a g	c a a t t a t t c t	g c c t c a g c c t	143580
c c c a a g t a g c	t g g g a t t a t a	g g c a c c t g c c	a c c a c g c c t g	g c t a a t t t t t	t g t t a t t t t t	143640
a g t a g a g a t g	g g g t t t t g c t	a t g t t g a c c a	t g c t g g c c t c	a a g t g a t c c g	c c c a c c t t g g	143700
c c t c c c a a a g	t a c t g g g c t t	a c a g g c g t g a	g c t t g t a t t g	g g t a a a a g a a	c a a t a t t g g g	143760
g g c t g c a t g g	t g g t t c a t a c	c t g t a a t c t g	a g c a c t t t g t	g a g a c t g a g a	t g g a a g g a g t	143820
g t t g g a g c c c	a g g a g g g t g a	g g c t g c g g c t	g c a g t g a a t t	g t g a t c a c g c	c a t t g c a c t t	143880
c c a c c a g g g t	a a t g g a g c a a	g a c c a t g t c t	c t a a a a a c a c	a a a c a c a a t t	t t t t t a a g g a	143940
a t a c t g g g a a	g a g g t c a g t g	g t g g t t t t a g	a a c a g a g g a a	g t g c c a g a t g	a c c t t t g t g a	144000
g g c a t t g g c c	a g g a a g a a c t	c t a c a g t g t c	t t t a g g t a g c	t t c t g t c c a t	a a g g a t a a t g	144060
g g g t c t c c t c	c c c a g t a t t a	a t a g a a a a t c	t c t g a g c t g t	t t t t t t t t g t	t t g t t t g t t t	144120
t g t t t t t t t t	t c c t g a g a t g	g a g t c t c t c t	c t g t c g c c a c	g g c t g g a g t g	c t g t g g c g c g	144180
a t c t t g g c t c	a c t g c a a g c t	c t g c c t c c c a	g g t t c a c a c c	a t t c t c c t g c	c t c a g c c t c c	144240
c a a g t a g c t g	g g a c t a c a g g	t g t c c a c c a c	c a c g c c c a g c	t a a t t t t t t g	t t a t t t t t a g	144300
t a g a g a t g g g	g t t t c a c c a t	g t c a g c c a g g	a t g g t c t c g a	t c t c c t g a c c	t c g t g a t c c g	144360
c t c g c c t c t g	c c t t g c a a a g	t g c t g g a g t t	a c a g g c g t g a	g c c a c c g t g c	c t g g c c t g g t	144420
t t t t t t g t t g	t t g t t a t t t a	t t t a t t t a t t	t a t t t a t t t t	t t g a g a c a g a	c t c t c g c t c t	144480
g t c g c c c g g g	c t g g a g t g t a	g t g g c a c g a t	g t c g g c t c a c	t g c a a g c t c t	g c c t g c c a g g	144540
t t c a a g c c a t	t c t c c t g c c t	c a g c c t c c t g	a g t a g c a g g g	a c c a c a g g c g	c t c g c c a c c a	144600
c g c c c g g g c t	a t t t t t t g t a	t t t t t a g a a g	a g a c g g g g t t	t c a c c g c a t t	a g c c a g g a t g	144660
g t c t g a t c t c	c c t g a t g t c g	t g a t c c g c c c	a c c t c g g c c t	c c c a a a g t g c	t g g g a t t a c a	144720
g g t g t g a g c c	a c c g t g c c t g	g c c t g a t t t t	t t t t t t t t t t	t a a t c t g g t c	t c a t a c c t c t	144780
g a c a g c t c a t	g a a g a a g t g c	t c c t g c t t c a	t a t g t a t a t g	t g t t a g c a t a	g t g t t a a c a t	144840
a g c a t a g g t g	t t c g g t g t t t	g c a g t t t c t g	t t t g t t t t a t	a t g a a t t a a g	g t g t a t t a t g	144900
a g c a g t t g a a	g a t a t a t a g g	a a a t t t t t t c	c c a a a c c a c t	a t c t c t g c t c	g t t c t a t t c a	144960
t t c a g t c t g t	t t a t g t t a t t	c c t t c a t t c a	t t c a t t t t a t	a g a a c a g t g g	a g t g c c t a c t	145020
g t a t g c a t c t	a t t g t t c t g g	g t c c t g g g g a	a g a a a c a a a a	g t t c c t g c t t	t c a t g g a a c t	145080
t a c a t t a t a t	t g g c g g a g a c	a g t a a c a g a c	a a a c a a a t g t	a g c c t g t g t a	c a t g t g t t a c	145140
a t g a a a g c a	g g g t a g g g g g	c t g g g a g a g a	g t a g t a g g g a	g t g c t a t t t t	c g a g g t g g t t	145200
g t c a g g a a g	g c c t c a c t g a	g g a g g t g g c a	t t t t g a g t a g	a c c t g a g c g c	a g c g g g g g c g	145260
t a a g c c c a g g	c a g c a t g t g g	a g g a a g a g t g	t t c t t g g t g a	a a g g a a c a a g	g a t a g a g g c c	145320

cgaagctaga	gagctcagca	tgatcaagga	acagcaagcc	ccgtgtggct	ggaatggagt	145380
gagcaaagga	atgagcagta	gaaggtgagt	gagttgggag	gtcaccagag	accatggcaa	145440
ggacttgaaa	gtgtcagggg	cacattggaa	ggtggagcag	ggaaatgatg	ggattttatgt	145500
tttgtttttg	ttttatgttt	agtgttttta	agggattgct	ctatcagcta	tttggaaaat	145560
ttagtgtagg	gcttcaagaa	gagaagcaga	gaaacaacat	tcttgccata	gtcatagtct	145620
aagtaagggg	tgatgggtgg	gtggattagg	ctggtagtgg	aagaccagtc	cagttcgggt	145680
tgtatttgaa	ggtagaggca	aaaagattat	atttctacca	gcaagcccat	ctatgaagtt	145740
acttgtatta	ttaatttaat	tgagacatgc	ccacataaac	taataaatag	gaattttctgc	145800
agtttgggta	aacacccctg	tatatcctgg	ttcttctttt	agttgtccag	atgtctcttt	145860
aagtcaagta	ttttttgggtg	gtgtaggagc	ctagagattg	aatttattca	cccaaaaggc	145920
atttgagtga	ttactatgtg	ccaggcacta	tgctgaatgc	caaggatgta	aataagaggg	145980
cgtagtctca	gtctgtttta	ctccagcttg	gttccttttt	aatgaccctg	acttggttaag	146040
catatcagtt	atcctacaga	atgtttaatc	ttctgtactt	tcttggttgt	gttatttagc	146100
ttattttctct	ttccttgaca	tttcttgtaa	actggaagtt	acacctatag	tcttgatgat	146160
tcgtgttaca	catttttagat	tagaacacat	catgtgttgt	atatggtggt	tttgaaagcc	146220
tctctgtata	ttggtctgta	cattaaaatg	ttgcctgaat	ggatacacat	aaaattttaac	146280
agtgattaca	ttagagatga	gaagaaagag	gtgcctttta	cttttcaata	taccttttcc	146340
tctgcttttt	gaactttctt	gccctatgca	taegtatttg	cttaatcatc	cacctcatct	146400
cttccccctgt	ggcttttctgt	tgcatlttga	atgaaatcta	gcctcttttg	tgttacctgt	146460
ggatgtccct	tgctggcctc	tatcacctta	actttgaacca	ctcctttcat	ggactgagct	146520
ctcatttggac	tatctttttat	tcttttctgt	aagtttcttc	actttgagtg	cctctgcagt	146580
tgctatttca	tggtgtggc	aagcctgccc	atggctttca	tgcaaggatg	gttcctcctt	146640
ctcatctcaa	tattatctct	tcagagaggg	accttcccaa	ctccgatgat	ctaaaatcct	146700
ttgtatatac	cactcactac	cacttctttc	tttttctttc	cttttatctt	tttttttttt	146760
tttttttttt	gagataggg	cttgctctgt	tgcccaggct	ggaatcacga	ctcactgcag	146820
cctcatcttc	ttgggctcaa	atgatcctct	cacctcagcc	tctcgagtag	ctggaactgc	146880
aggcacacac	caccatactt	ggcttattat	tttacttttt	gtagagacag	ggtttcacca	146940
aggctgggtct	caagctcctg	ccgcaagcaa	tccacatctc	tcagcctccc	aaagtatttg	147000
gattatagga	gtgagccact	actcctggcc	tattttctta	ttcactgtct	aaaattatct	147060
tgttcattta	ttacataact	tgtttatagc	ttatttctca	gctggacatg	gtgcctcaca	147120
cctgtaatct	caatactttg	ggaggctggg	ttggagaatt	ggttgagccc	aggacttcaa	147180
gaccagcctg	ggcaacaaaag	tgagaccctg	tctataaaaa	attgtttaaa	aattagctgg	147240
gcatgggtgg	acatgcctgt	ggtcccagct	acttgggagg	cagagggtggg	agaatcgctt	147300
gggcccagga	ggttgaggcg	acggtgagcc	atgattgtgc	cactgcactc	tagcctagtg	147360
acagagttag	acctgtgtc	taaaaagtaa	ataaaaatag	tttctctttc	atgactagaa	147420
tattacctct	atgtgggcag	ggagtttgtc	tatactattt	ggcactatat	ttcctgattc	147480
tgaaattatg	cctagcacat	ggtaagtact	ccttaaatat	ttattgactg	aattatttaa	147540
tacttaagaa	tttcattttg	gattatctga	gtggtaagat	tacggattat	atttatgtaa	147600
gaaaaaatca	tttttttaaac	ttggttgccc	tttggccacac	tgacatagac	actaagtttt	147660
cttagccaga	ttacttccga	ggatactcac	agaggccatt	ctcttctcaa	tcccccaata	147720
attgatattt	cttagcactt	tcaagcta	gcaattctta	gatgatgtat	ctgtgtatat	147780
catatcctca	ttctacaaat	gtagaaattg	aagctctggc	acagtggctc	tcacctgtaa	147840
tctcagcagt	ttgggaggcc	aaggcgagcg	gatcactgag	gacaagagtt	aagaccagcc	147900
tgcccaacct	ggtaaaagct	tgctcttatt	aaaaatagaa	caattagggc	cggcggtggt	147960
ggctcagccc	tataatccca	gcacgttggg	aggccaaggg	aggcagatca	cgaggctcagg	148020
agttcgagac	catcctggct	aacacagtga	aaccccatct	ctactaaaaa	tacaaaaaat	148080
tagccaggca	tggtggcacg	cgcttgtagt	cccagctatc	gggaggctga	ggcagggtgaa	148140
tcccttgaac	ccgggaggcg	gaggttgcaa	tgagctgaga	ttgcaccgct	gaactccagc	148200
ctggtcaaca	acggggagact	ctgtctcaaa	aaaaaaaata	aaaaacaatt	agccaggcgt	148260
ggtggcgggt	acggtacact	gtaatccag	ctactaggga	ggctgaggga	ggagaatcac	148320
ttaaacccag	gaggtggagt	ttgcagcggg	ctgataatgc	accactacat	tccagcctgg	148380
gcaacagagt	gagactctgt	cttaaaaaaa	aaaaaaaaga	agaaagaaat	tgagggaatgt	148440
ggagatttgt	gtctgtgatt	tgtaggaat	cacacagcag	gttagtagca	actacagggc	148500
tttggttcag	aataccacct	tgacaatggt	ttgtttacag	ttcggctccc	cttctctctg	148560
ctttctctcc	ttccttattg	agggcagctg	gaaagaattt	tcatcattta	ctagcctata	148620
gctttaattt	gagttttgaa	accttgataa	tagagcacag	aggaaaagac	tgagttttct	148680
ttttttgaga	cagtcttgct	ctatggccca	ggctggagtg	cagtgcacac	atctcagctg	148740
tttgcaacct	ctgcctccca	ggttcaagca	attctgcctc	agcctctcga	gtagctgaga	148800
gtacaggcac	gtgtcaccac	gccagcttaa	ttttctgttt	ttgtttcggt	ttgttttttt	148860
ctgagatgga	gtcttgcctc	gtcaccacag	ctggagtgc	gtgggtgcgat	gttggctcac	148920
tcaaacctct	gtctcctggg	ttcaagcaat	tcttctgcct	cagcctcccc	agtagctggg	148980
actacaggta	cgtgccacca	tccctagttc	atttttgtat	gttttagtaga	gatgggggtt	149040
cactatgttg	accaggctgg	tctcgaactc	ctgatctcag	gtgatctact	cgtctcagtt	149100
tcccaaagtg	ctgggattat	tggcacacgc	ctatttttgt	atttttagta	gagacggggg	149160
ttcaccatgt	tggttagact	ggtctcaaac	ttctgacctc	aagtgatttg	cccgccccag	149220
cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	ccagccaaga	ttgagttttg	149280
aaaagagcct	tctgagatta	tgagaagggc	aagcaagata	acttaagaag	ttacattaaa	149340

atcatctaag	agacagtgt	acaagaagga	attgtaaaat	gatgttatga	gcacgtgccc	149400
aattgtagtgg	caatcccttg	tgcttcgata	cattgggtggg	agacaaaact	gtactttaat	149460
tgataaatcc	cttacctgtc	attttaagga	gcttagactg	actcccatca	tgtagacatc	149520
agagattttct	tttttttttt	tttttttttt	tttttttttt	tttgtgacag	agttttgctc	149580
ttgttgccga	ggctggagt	caatggcggt	atctcggtc	accacaacct	ccacctccca	149640
ggttcaagca	attctcctgc	ctcagcctcc	cgagtagctg	ggattacagc	catgcaccac	149700
cacgcctggc	taattttgt	tttttagtag	agacggggt	tctccatggt	gtggctgggtc	149760
tcgaactcct	gacctcaggt	gatcctccc	cctcagccac	ccaaagttct	gaaattacag	149820
gcgtgagcca	ccgcgccag	cccagagatt	tctaacacaga	gttctaacca	gatgcttttc	149880
cctgtcagta	gaatgagaat	gaattggagg	tgggagagac	tggcatgagg	gacaccagtc	149940
agccagtgg	attagctggt	aatggtgata	ggagaagaaa	aagattcaaa	gttaggtagt	150000
ggtagcaaga	attagaggga	aggctggatt	tatgatattg	ccaagggtga	attctaagggt	150060
gaaatttggt	ggcagatttc	atgtgtaaat	tgggaaggta	gattgagttt	ttttaacatg	150120
ggttttctaa	catgtcaata	gagtgaactc	gcaggggggc	ctgacgagag	aacagtgc	150180
gggggtgattc	aacagccagt	tgagccttca	tgagagcat	ttaacactgt	gactctgtag	150240
actctgggtg	gcagtaaaat	ttcattaaac	caatatttaa	acccttaggt	aataataaaa	150300
attgagggaa	aaggatccag	gttttgtatt	ttttatgaat	tcagttattg	aattaaacag	150360
gaccttgctc	caagaaataa	tctaccaaca	attaacttgt	tttaaagcaa	agttaggaag	150420
tgagcatggt	caaattatta	aataaaaaag	taagctgtgt	atttcattca	tagaaataga	150480
ggctggccta	ttctggatga	ttctcagcat	gtgattacag	atgtgggctt	atacatccta	150540
gggagtttaag	gcgtactctg	gcttggatag	agttagactc	tttgaaactc	ttctctcacc	150600
cagctagttt	atatagacta	gagaactaga	atgtagcagc	atactctgtc	ttagaagccc	150660
ttttatatag	gagctgggtc	ggaagggttg	aaaacataac	aaatgtgttg	gtgtctccca	150720
atgtattgct	agattcttac	ccaagagcat	tatcctgggt	agggtttggt	ttgggtttgt	150780
tttgtttttt	aattgtttg	acaaactaac	actagatgtt	agttctttca	tcaagtgagg	150840
agagtagaag	aaaagtcag	aactctgaaa	caccttttca	aaagtttttc	aagcctgat	150900
gtttgcaagt	taaagtctct	gttatgtaag	caatataatc	agttttttatt	aatgtaacat	150960
tccttagtgt	tttgggggtat	cacacaaaaa	agaatatcca	tatctggaag	caacagcttt	151020
taaataagag	cattgtgggtg	gtgggtggta	tagtgggttt	tttttttttt	tttgagttgg	151080
agtctcgctc	tgttgcccag	gttgaggtgc	agtggcacga	tctcagctcg	cttcaacctc	151140
tgctcccagg	ttcaagcaat	tcttctgcct	cagcctcctg	agtagctggg	attataggca	151200
cctgtacca	tgcttggtg	atttttatta	tttttagtaga	gacagggttc	accatggtgg	151260
ccaggctgg	cttgaactct	taacctcagg	tgaatcacc	acctcggcct	cccaaagtgc	151320
tggaattaca	ggcatgaacc	accatggcca	gccaataaag	agcattttta	atgtaaaatt	151380
atgcatgaaa	tgtacattca	attttgtctt	gttttactag	gatccatggt	ctcacaagct	151440
atgaagaaat	gggtgcaagg	aaatactgat	gaggtaaatc	ctaccttttag	gataaaaaaga	151500
tttctgttta	taagtgcac	cctcatgtaa	gtgaggttta	aaattttcct	tttcttttagg	151560
tcccatgttt	aagcagcatg	gcacatttat	gttctcttac	ccagaatgta	ccaagaaagg	151620
gtggctccct	cttaacatct	aacaattgcc	ttgtagtagc	agtgaaggta	tcttcagtc	151680
gaggctagg	ccatgaagg	atatacatgc	attcaagttt	ccatcagcca	gcaggcatca	151740
gtaatcagtg	tgtagatcaa	aagctcaaat	gtttccttcc	ccactggcag	ttttacttca	151800
agtagtggag	gcttgctttt	ttaatagtta	attaagtaca	ttgagagatg	ggaggtgaaa	151860
aaaggaaaa	gttttatttt	gaccatctaa	tatgaaagta	gttcgggtgt	aggtatccag	151920
tagttgacac	tgaagacag	ggaatgacat	gttaattatc	atagccagag	ggtggcccag	151980
gttttttctg	acatgggaat	gaaattctta	tccaaataag	tagaaattat	gtgcgtaagc	152040
catttggttaa	gagcactgag	tatgtgcac	tcgatccatc	taatgaataa	ccattatcac	152100
cagtttaaat	tattttcttt	aggcccagga	agagctagct	tgggaagattg	ctaaaatgat	152160
agtcagtgc	attatgcagc	aggctcagta	tgatcaaccg	ttagagaaat	ctacaaaggt	152220
aaggatgact	tcgttttgtg	taaactaaaa	agtattattt	tccagggtga	aaaataaaaa	152280
agaacataag	gggtttcttt	gcctttgaag	gattaactgc	tgtggggatt	accttcttat	152340
cataagcaac	tagaaaattg	acaaactaaa	tgaacaact	gtttgcatat	attggacaat	152400
gggcaataca	gggaaaccat	ggaaaccaa	cagagcccag	tagtcttgct	gaacgaaaga	152460
gttaaatatc	aaagttcagg	ccagggtgcag	tggctcacgc	ctgtaatccc	agcactttgg	152520
gaggccaagg	cggttgaatc	acttgaggtc	aggagttcaa	gaccagcctg	gccaacatgg	152580
tgaacccctg	tcttagccgg	gtgtggtggc	aggcacctgt	aatcccaact	atttgggagg	152640
ctgaggcagg	agaatcgctt	gaaccaggga	ggcggaggtt	gcagtgagcc	gagatcacac	152700
cactgcactc	cagcctgggc	gacgagcgaa	acccatttca	aaaaaaaaaa	tcaaagttca	152760
gagagctcaa	tttgagtaga	agttgtagga	taaggtagta	gaaaagagga	agctgccag	152820
aaagaaagcc	gtagagatat	ttagagagat	tccatggat	ccttggccta	ggagtgatct	152880
gtatatgtgt	gggtgaaaa	cgcatgtgtc	caggtagaga	accccccaga	aattagtagg	152940
ctgaatgatt	gctggaacat	agggctaaga	aaagttcatg	gccagaagga	tctggccaga	153000
gtagagagac	ttagtaatac	acaaggcatt	gggtagtgtc	ttcacagagg	ttatgcctta	153060
ctactgagca	taaattagtc	ctagagtaca	agcacctgaa	ccaagtttca	aagcaaat	153120
ttaaaggtc	aaattaccta	acaactgcat	gccccaaaca	aggcctaacc	ctctttacag	153180
taacacaaca	aaattcagca	cttcacagtg	taaagttaga	atgtctgacg	tccaggctgg	153240
gcgcagtggc	tcatgcctgt	aatcccagca	ctttgggagg	ccgaggcagg	tagatgacct	153300
gaggtcagga	gttcaagacc	agcctggcta	acatggtgca	accccgctct	tattaaaaat	153360

acaaaaactt	agccaggcat	ggtggccggc	acctgtgatc	ccggctactt	gggaggctga	153420
ggcaggagaa	ttgcctgaac	ccaggagggtg	aagggtgcag	tgagccgaga	tcgcaccact	153480
gcactctggt	ctggggcaaaa	agagcaaaac	tcagggtcaa	aaaaaaaaaa	gaatgtctga	153540
cgtcaatcac	aaattaccaa	gcatgacatg	aagttgacct	ataaccagga	gaaaactcaa	153600
tctatagaaa	cagacccaga	tgtgagaaag	atgatgaatt	tagcagacaa	agaccatcaa	153660
gtggctattt	taaatattaa	aaatatgttc	aagtggccag	gtgcagtggc	tcatgcctgt	153720
aatcccagca	ctttgggagg	ccaaggtggg	taggagttca	agaccagctt	ggccaatatg	153780
gtgaaacccc	ttctctacta	aaaatacaaa	aaaattagct	gggcatggtg	gcaggtgcct	153840
atagtcccag	ctatatggga	ggctgaggca	caagaatcac	ttgaaccccg	gaggtggagg	153900
ttgaggttgc	agtaagccga	gattgtgcca	cttgtactcc	agcctggaca	acagagttag	153960
actctgtctc	aaaaaaaaaa	aaaaaaaaagt	taaagaaaac	aagagtataa	tgagaaaaat	154020
gcaaaatagt	tttaaaagaa	ccaaatggaa	tttcttaaaa	taaaaaatac	cagaaatggg	154080
ggcggggcgt	ggtagctcac	gtctataatc	ccagcacttt	gtgggggctg	aggcaggcag	154140
atcacctgag	atcggtagtt	caaggccagc	ctgaccaaca	tggagaaaac	tcactctctac	154200
taaaaataca	aaattagctg	ggcgtgggtg	cgcattgcct	gtaatcccag	ctacttggga	154260
ggctgaggca	ggagaattgc	ttgaaccccg	gaggcagagg	ttgctggtag	ctgagattgc	154320
accagtgcac	tccagcttgg	gccacaagag	tgaactccg	tctcaaaaaa	aaaacaaaaa	154380
aaaacagtag	actcgaagaa	ctagctgagt	ttttctttac	tttaggcagt	aagtgtgacc	154440
ttttgcagg	gactacttta	gttcctctat	tcctcattag	tagatcagag	aaattcgaca	154500
ccaaaacccc	aaaagaaaaa	ccccttctaa	tctctattcc	atgattttat	gaatgcattga	154560
agtcctaggc	ctgcgaaggga	atactcatte	tctttatcct	gtgttgatac	ctctctgctt	154620
caacctccaa	ctcgacattt	gcctatagga	tgtacttggg	cattcagcat	aaactacctc	154680
acaccattac	tgaattgctt	catgtgcaca	tgtcccattg	cacaataaccg	gggaccttgt	154740
cttcctgtag	atttgtccgc	agtgtgtgga	ctacaggagg	gagtcagtga	atgtctgcat	154800
gtgtgtcttt	accatccctc	ttgaatatgc	tctagggtta	attcctagaa	gtagaattac	154860
tctattgaaa	attggcaata	ttttctcttc	taatatctat	tgccaacatg	ggaaagcaag	154920
tctggatgcc	agtccttggt	atatgccctt	tgggtaagtt	acgtaacctc	tttaagcttc	154980
tgttcaactca	tattttaaca	aggaaaatta	caatatttta	cctcacaaaa	ttgtagttag	155040
cttctggctg	tcttaaaactc	tggatatatg	taaacactaa	gtgttgggtg	ccatccttaa	155100
tttgtaataa	taggctcaact	gttagagaaa	tgacacctac	cattttcttt	tcttttcttt	155160
tttcagttat	gactcaaaac	ttgagataaa	ggaaatctgc	ttgtgaaaaa	taagagaact	155220
tttttccctt	ggttggattc	ttcaacacag	ccaatgaaaa	cagcactata	tttctgatct	155280
gtcactgttg	tttccaggag	agaatgggag	acaatcctag	acttccacca	taatgcagtt	155340
acctgtaggc	ataattgatg	cacatgatgt	tcacacatg	agagtcttaa	agatacaaaa	155400
tcgtattggt	tacattacta	gaaaattatt	agttttccaa	tggcaataac	ccatttatga	155460
gagtgtttta	gcctactgga	atagacaggg	accacatcct	ctgggaagca	gataagcata	155520
gaactgatac	ttgatgcaca	ctcgtagtgg	taactcatcc	ctaatacagca	ttgtaaagca	155580
ggtgccagag	gtggtttgct	ttgtccttcc	aaagcagggtg	agtcagcccc	accgagagcc	155640
aggcagcttt	gagtggcagc	gtggtgctag	cagcttcagc	ggaacagggt	gagagttaat	155700
tatgcagctc	tcttgacagc	ggcattaat	tgggaaggaaa	ctgacaagtc	atgggtcaag	155760
tttcagtgac	ttcctccttc	ctctgatggc	agtatatagt	tttcacattt	taattcctcc	155820
tcctgagatg	cactataactt	aaaaccattc	tctcccctgc	taacagaagg	gtgtgaatct	155880
ggtttacttt	gagcattagg	atttgccctt	ttggaattct	gcactccagt	tacttaactt	155940
tcctctcaga	atagatgtgg	aaagaaagaa	agaaatagcg	atgactccac	ttttgcccct	156000
gtggcacctt	gaacaaagca	gttcttccca	aattataactt	tttttttttt	taaataagggt	156060
gagcaggatg	actggggaga	gagaaacatt	tgactttgac	tgccctcccc	attccttgct	156120
gtgagctgga	aagtgtgcag	ttggtcgtct	ttcttctcct	ttcttttagga	tagtaagaga	156180
ctcactcact	gcacttctgc	tcagttggct	tctgcactcg	gatcacacag	ccatcagcag	156240
gactgccag	ttggtgagca	cactccattg	accacgtggc	gccagcgctt	cctcaatgca	156300
catgattgag	aggaaagaaa	gttctcttag	atgttactgc	ttttgctcag	actttgcaaa	156360
aaaaaaaaata	tatatatata	tgtataaata	tataattatt	aatcactttt	gtccttgaga	156420
aagtcttgaa	tgaacagaga	atttattcca	ttgcaatatt	tgattgtata	gaggcacact	156480
gtttcatoga	cagaagaagc	aaaaaggctt	tgtgtaagtt	tttggtagta	tgtaccacct	156540
ctgttattct	tttaaagctg	aagtattcat	gtacttaaac	catattatat	ttaatgtgtg	156600
ttgattttta	aatatatata	tatgaattct	atttaaaatt	gtgtcaactt	tctgctttca	156660
gggcattttat	ggctcttctg	ttgaaatata	ttgatctttc	caaataattt	catttgcttt	156720
ctaaaaaccc	agaacatgag	ccactactgg	actttgcctt	gtgtttgaag	tgtatggcat	156780
aaacccaagg	tttttattag	tcattctatgc	tgtgattaat	tcattttggt	cttttgagac	156840
aatattttcca	tccacttcac	attgcttcaa	tctttaacag	aaaagcaata	taaaggttat	156900
agaataaaaat	gtggttttgg	gcaactcttg	ctgcctctgc	atgttttgga	ataacaattt	156960
ctacaagact	ctaggctggt	taaaactagt	ctttcagtta	agataaattc	taatcatttc	157020
tttgatatata	cattttgtgc	ttctgagcta	gagatgccaa	gtagttgtaa	actgcttata	157080
aagagaatag	gagcaaat	tacttttttc	tacttttttc	tgccccacct	gctttgagac	157140
acagaagcgg	agtgtggccc	gaaattatta	gccagattta	atatttgatc	taaagtaggt	157200
ccttgtactc	attttaaagt	tggaaattga	ttcctccaac	attgagcacc	caccatgttc	157260
caggctctgt	gcattgtgcc	cacaaaataa	gattccctgg	tggagttttt	atgggttcaa	157320
ataatcagtt	gaacaccctt	catctttatc	atgttgttga	cattgacaca	aattgtttta	157380

aaagaaaaga	tattagagag	aaagtggtag	ctttgtaact	tgatgtgtct	tcatcattcg	157440
gtaagatttg	atgaaagtaa	aaagcaaatg	tcagccaaat	ccagtgaaca	gcaataaaac	157500
agggagtaac	tttttataac	tttttctact	tggattttcaa	cattcagtag	agctttttcga	157560
aatgtaagta	gtttacagta	ctggaggttt	gactagttca	gtaggaattt	ggaggggaag	157620
gtcattctga	attgtaacaa	agtacaaact	tctttgctgt	tttatttaag	tactgagagc	157680
taagcacctg	atgaagtga	tgacctctct	ccagtgaacag	tggttgggta	cctgcctgac	157740
ttcaggagtg	gggtttatgt	ttctacacag	tgaccttttc	tctcgccctc	tcctccctct	157800
tgccacacac	ccagttgatt	ggacctgggt	tgaactcctg	atccagacag	gcccaagaca	157860
gttcttaaatg	ttaagaattt	tggggccggg	cacgggtggct	catgcctgta	attgcaacac	157920
tttgggaggc	cgagacaggc	ggatcacttg	aggtcagggg	ttcgaggcca	gcctggccaa	157980
catggtgaaa	ccctgtcttt	actaaaaata	caaaaattag	ctgggcatgg	tggcgacgc	158040
ctgtaatccc	agctacgtgg	gtggctgaga	caggggaatc	gcttgaacct	ggaggcggag	158100
gttgtgcaat	gagccgagac	cgtgtcactg	cattccagcc	tgggtgacag	agggagactc	158160
tgtctccaaa	aataaaaaata	agaaaaagaa	ttttgggcta	ggtgacgtgg	ctcacgcctg	158220
taattacagc	attttggaag	gccccagatg	ggcagatcac	tgaggacag	gagttcgaga	158280
ccagcctgga	caacatggtg	aaactccatc	tctactaaaa	agacaaaagt	tagccagatg	158340
tggtgatggg	cacctataat	cctagctcct	cgggaggctg	gggcaggaga	atcacttgaa	158400
cccaggaagc	agagattgca	gtgagccaag	atcacatctc	tgcactccag	cctgggcaac	158460
agagcaagac	tctgtctcaa	aaaaaaaaaga	atttggccag	gcgcagtggt	tcacgcctgt	158520
aatcccagca	ctttgggagg	ccaaggcagg	catagcacga	ggtcaggaga	tcgagattgt	158580
cctggctaac	atggtgaaac	cctgtctcta	ctaaaaatac	aaaacattag	ccgggtgtgg	158640
tggtgggcac	ctgtagtccc	agctactagg	gaggctgagg	cagaggaagg	atgtgaaccc	158700
aggaggcggg	gcttgacagta	agccaagatc	gtgccactgc	actacagtct	gggcgacaga	158760
gtgagactcc	gtctcaaaaa	aaaaaagaat	tttggccggg	tgcggtggca	catgctgta	158820
gtcccagcac	tttgggagac	caaagtgggc	ggattacctg	aggtcaggag	ttcaagacca	158880
gtccggccaa	tatggcgaaa	ccctgtctct	tactaaaaaa	aatacaaaaa	ttagccaggt	158940
gtggtggcgg	gcacctgggg	aggctgaggc	aggagaaaat	gcttgaaccg	gggaggcaga	159000
ggttgacagta	agccaagatc	gtgccactgc	actccagagc	aagactcttt	ctcaaaaaaa	159060
aaaaaaaaag	aattttgcat	ggggaaggag	agatactgtt	caccatctgg	aatggtgctt	159120
ggatgtggca	cttacaanaa	caggagccag	cactgcattg	acaaacagaa	gcattgtggc	159180
ctgagatagc	aggtaccttg	ataaccctga	agacatcctt	ggtttctgca	tctattcctg	159240
catccttgca	ttggactaca	ttaatctgtc	agttatcctt	ataatgattt	ttgatttttt	159300
ttttttgaga	tggagtttcg	ctcttgttgc	ccaggctgga	gtgcaatggc	acgatctcgg	159360
ctcaccacaa	cctccacctc	ccaggttcaa	gtgattctgc	tgctcagacc	tccttagtaa	159420
ctgggattac	agccatgcgc	caccacacct	gtactaattt	gtatttttag	tagagacggg	159480
gtttctccat	gttggtcagg	ctggtctcga	actcccaacc	tcaggatgat	accctgtctc	159540
ggcctcccaa	agtgtcggga	ttacaggcgt	aagccatggt	acccggctctg	ttttttgatt	159600
ttttgaaacc	agtctgaagt	gagttttttt	aattacgtga	aaggagtttg	gctaaaatac	159660
tgccatactg	ccctaattgc	taatgattat	gtattctcag	catgtctgca	aagtactgct	159720
gatttctgga	gaataatttt	tctttagtaa	acttcactta	agtcgtcatg	tgtattctct	159780
caaaatggta	tcctaacctt	atggagctaa	aagacacccc	ttgtttttat	aacaagcagt	159840
tactgaggcc	caggaagggg	agaagtccct	ggcttgtgag	atgatcacca	ttagaactca	159900
ggcctggggc	agtgcctttt	catgcttctc	agatccttcc	aaagaataat	gaagattata	159960
accgctttta	gcaattgtaa	taaaccctga	aatagaaagg	tttttgggta	gagtactggg	160020
agaagtttgg	cgggagagat	aattttttaca	aaatttgtaa	atacctgcca	attctatata	160080
ctaggcaagg	tctctggcct	tgtaaaaccc	ctcaagggtta	caactttggt	ggcccacact	160140
aatagttacc	cactgaggcc	ctctccgggt	gaacattgag	cactagagga	agcccctctg	160200
cttgggacag	actgggcgtg	gtgcagagta	ggagcgggtga	tactgtggat	tctgggacag	160260
tggagatggc	cagtgtgtgc	caataaaggga	cactggaggg	agcagtgtga	gtaaaaggccc	160320
tgagggcatt	catgttcagg	gagggttgct	gccactggc	ttgcttggca	cacaggagag	160380
tgggtattcc	tgctttagta	actttatgta	aacaagtatt	tcctcagtct	gttcctctca	160440
aactgcctgc	tctggcacat	tcagaatgtc	acagaactca	cctggatgca	ttcagcccct	160500
tgccataaagg	tgacagtgca	tctccttccc	caccccaccc	ctcataccac	tgaagcacct	160560
gtcagactgg	cccagtctgt	gggcaaggag	cctagagagg	gcttagtttc	agcttgaagg	160620
gagctgggat	ttaccaagaa	gcaaatgaga	gacgaggatt	gcaacaactg	tgccattttcc	160680
ccagcttcag	ctgactcctg	tatattgact	gtgccttcag	actcatccgt	aagtgacccc	160740
aggctggcct	ctcccacatc	acagtaagaa	ttccacacac	catacaactt	ggaaagaggc	160800
tccagctgaa	ggaagcccca	cacttctttc	aagtttttct	tagtcttctc	ttcttggcaa	160860
agagtacctt	ttgtttcttc	taattatgta	actattgggt	tagtaaatat	tcacccattc	160920
agtcaccctg	taagtggcag	gcactgttta	cagggacaca	ggaagggaata	aaaacttgca	160980
ggcaccttgg	agcttgcat	ctattgaaga	ggtaatggaa	gttgggatag	cagctaaact	161040
atgctgggat	tggccaggcg	cagtggctca	cacctgtaat	cccagcactt	tggaggccaa	161100
ggtgggcaga	tcataagtc	aggagatcga	gaccatcctg	gctaacatgg	tgaaccccg	161160
tctctactaa	aagtaaaaaa	aaaaattagc	caggtgtggt	ggcgggcgcc	tgtagtccca	161220
gctacttggg	aggctgaggc	aggagaatgg	tgtgaacca	ggaggcgaag	attgcagtgga	161280
gccgagatgg	caccactgca	ctccagcctg	ggtgacagag	cgagactctg	tctcagaaaa	161340
aaaaaatatg	ctggtagttt	tgattcaaga	tggcctttgg	agcccatgat	ttaggtctcg	161400

taccaccaa	ggtctactgg	aaaacatcag	gctctcctgc	tatagacca	tagggagagc	161460
tgcagccgag	aggggggagct	gaagagaagt	gccccttctg	tgctcctgtca	gcctcatcct	161520
tccgcaagga	ccagttgctg	tgccactcca	ttcacttgc	gcaagactgg	aggtttttcc	161580
tcaggtgttg	agcacctggt	ttacaagatg	tcagcatcct	gatgcctgag	accatcaagg	161640
caagtctctg	aacagggctt	accttagagt	aaggcttaga	agaggccgta	aagtcagctc	161700
cagctccgtg	gctctgcaga	gctttgggac	atgtgaattc	ttaaaaacaa	gactattgtg	161760
cagttactat	atgcatgcag	tataaaatta	taaccttggg	aaatcctagc	tagctgttga	161820
gctaattcca	taaagtaatc	agctcctgag	ttctgcagtg	gtaataataa	tcagcataat	161880
gagtaaacac	tgtgtgtgcc	aggcagcgct	tcatttgatc	cttgtgataa	tcttctaagt	161940
actgattttc	tcccttcttt	aaacaaagtt	tttttttttt	tttttagagag	ggtctcacta	162000
tgttgcccag	gctagtcttg	aattc				162025

<210> 36
 <211> 162025
 <212> DNA
 <213> Homo Sapien

<220>
 <221> mutation
 <222> 156,277
 <223> Nucleotide Base Change: T to C

<400> 36						
gaattcctat	ttcaaaagaa	acaaatgggc	caagtatggt	ggctcatacc	tgtaatccca	60
gcacttttgg	agggcgaggt	gagtgggtca	cttgaggtca	ggagttccag	gccagtctgg	120
ccaacatggg	gaaacactgt	ctctactaaa	aatacaaaaa	ttagccgggc	gtgggtggcg	180
gcacctgtaa	tcccagctac	tcaggaggct	gaggcaggag	aattgcttga	acctgggaga	240
tggaggttgc	agtgcagcca	gatcgcgcca	ctgctctcca	gcctgggtgg	cagagtga	300
ctctgtctca	aaaagaaaca	aagaaataaa	tgaacaatt	ttgttcacat	atatttcaca	360
aatttgaaat	gttaaaggta	ttatgggtcac	tgatatcctg	tttcattctt	tatataatca	420
ttaagtttga	aatgtatact	tgcactacta	acacagtagt	taatcttagt	cctacaagtt	480
actgctttta	cacaatatat	tttcgtataa	tgtatgcact	ggtgtttatg	tacgtgttta	540
tgtttatatc	tgttaaaatt	agcagtttcc	atctttttct	attttgtacc	atcacatcag	600
ttcagaagga	ttgcacagagc	aaaatgattt	gatgaagtat	aaaagtcaca	tggtgagtg	660
cataaatata	actctgaaca	attaggaggc	tcactattga	ctgggaactaa	actgcaagcc	720
agaaagacac	atatacctata	tgtcaagaga	tgtaccaccc	aggcagttaa	agaagggaag	780
tacacataga	aagcacaatg	gtgaataatt	aaaaaattgg	aatttatcag	acactggatt	840
catttgcctc	taaagtcaga	gtcctctatt	gtttttttgt	ttttgtgggt	ttctttttta	900
atttttttat	ttttttaga	gtcggagtct	cactgtgtta	cccgggctgg	tctagaactc	960
ctggcctcaa	acaaacctcc	tgccctcagct	tcccaaagca	ttgggattac	agacatgagc	1020
cactgagccc	agcccagacg	ctttagcatt	tatgaagctt	ctgaaatagt	tgtagaaacc	1080
gcataagctt	tccatgtcac	tttcaaagtt	tgatgggtct	tttagtaaac	caaccaagtt	1140
attcctcaag	ggcaaaataa	catttctcag	tgcaaaactg	atgcacttca	ttaccaaaag	1200
gaaaagacca	caactataga	ggcgctcattg	aaagctgcac	tcttcagagg	ccaaaaaaaa	1260
aggtacaaac	acatactaata	ggaacattct	ttagaagagc	cccaaagtta	atgataaaca	1320
ttttcatcaa	agagaaaaga	gaacaagggtg	ttagcaaat	cctctatcaa	ataacactaa	1380
acatcaagga	acatcaatgg	catgccatgt	ggaagaggaa	gtgctagctc	atgtacaaac	1440
cagtagataa	tttcaacttg	ctgccgaatg	aaacctcttt	gcaaggtagt	aatcagcact	1500
tctcatggtt	gttttgcttt	gttttgcttt	gttttttagag	acaggccctt	gctctgtcac	1560
acaggctgga	gtgcagtggc	acgatcagag	ctcactgcaa	cctgaaactc	ctgggctcaa	1620
gggatcctcc	tgcccttagcc	tcccaagtag	ctgggactac	aggccacca	tgcccagcta	1680
attttttaaa	ttttctatag	agatgggatc	tcactagcac	ctttcatggt	tgatgttcat	1740
atacaacgac	caaggtacaa	tgtggaaaag	ggtctcaggg	atctaaagtg	aaggaggacc	1800
agaaagaaaa	ggggttgcta	catagagtag	aagaagtgc	acttcatgcc	agtctacaac	1860
actgctgttt	tctcagagc	agagttagtg	atctaaatca	ggggtcccca	acccccagtt	1920
catagcctgt	taggaaccgg	gccacacagc	aggaggtgag	caataggcaa	gcgagcatta	1980
ccacctgggc	ttcacctccc	gtcagatcag	tgatgtcatt	agattctcat	aggaccatga	2040
accctattgt	gaactgagca	tgcaagggat	gtagggtttc	cgctctttat	gagactctaa	2100
tgccggaaga	tctgtcactg	tcttccatca	ccctgagatg	ggaacatcta	gttgcaggaa	2160
aacaacctca	gggctcccat	tgattctata	ttacagttag	ttgtatcatt	atttcattct	2220
atattacaat	gtaataataa	tagaaaataa	ggcacaatag	gccaggcggtg	gtggctcaca	2280
cctgtaatcc	cagcacttcg	ggaggccaag	gcaggcggtg	cagcaggtca	ggagatcgag	2340
accatcctgg	ctaaaaccgt	ctactaaaaa	ctactaaaaa	ttcaaaaaaa	aattagccgg	2400
gtgtgggtgg	gggcacctgt	agtcccagct	actcgagagg	ctgaggcagg	agaatgggtg	2460
gaacctggga	ggcagagctt	gaggtaaagg	gagatcacgc	cactgcactc	cagcctgggc	2520
gacagagcga	tactctgtct	caaaaaaaaa	aaaaaaaaaa	aaagaaataa	agtgaacaat	2580
aatgtaatg	tggtgaatc	attccaaaac	aatccccc	ccccagttca	cggaaaaatt	2640

ctcccacaaa	accagtcctt	ggtgccaaaa	aggttgggga	ccgctaattc	aaataatcta	2700
atcttcattc	aatgctaaaa	aatgaataaa	ctttttttta	aatacacggt	ctcactttgt	2760
tgcccaggct	ggagtacggt	ggcatgatca	cagctcactg	tagcctcaat	caccaggcc	2820
ccagcgatcc	tcccacctaa	acttcctgag	tagctgggac	tacaggcacg	caccaccatg	2880
cccagctaatt	ttttaaat	tttatagaga	tgggggtctc	accatgttgc	ccagactggg	2940
ctcaaacctc	gggctcaagt	gatcctccct	caaactcctg	gactcaagt	atcctccttc	3000
cttggcctcc	caaaagtgtg	ggattacaag	catgagccac	tgtacccagc	tggataaaca	3060
ttttaagtgc	cactacagtc	atggacaatc	aggcttttca	acatgcagta	tggacagtga	3120
gtcccagggt	ctgcttttcc	atactgaaat	acatgtgata	ctaaggagaa	agggtgctcg	3180
aaggatattt	aaaatgaaga	atatttaaaa	tgaggaaaaa	actgtttctt	catgactttg	3240
ataaggctga	taaagaccat	ttctgtgatc	tcagggtgatt	cactcaagta	gtatatttca	3300
gtaatcatta	tctggaacag	cctgaatcct	aacccaaaata	ccatgatttt	ttaatgctgt	3360
tatgatacct	tgatgatatg	accaaactgc	aatgtaggca	gctaaatctc	cacgagtttg	3420
acttccccga	gagttgacag	ttttcttcac	aaattaaaga	aatatatatt	ttgatacatg	3480
attggcatat	ttaaaaacta	cactgaaatg	ctgcaaaatg	atataaagaa	acattttcca	3540
gaatcaaattg	caatcaaaga	gtggatttag	aatctactca	ccattatcaa	ctaaatagaa	3600
acacttggac	tgggtgtggt	ggctcacatc	tgtaatctca	gcactttggg	aggccaaggc	3660
aggttggttg	cttgaggcca	ggagctcaag	accagcctga	gcaacatagc	aaaactctgt	3720
ctctacaaaa	aaaaaaaaaa	attaaccagg	catggtggga	gatgcttgta	atcccagcta	3780
ctctggaagc	tgaagtagga	ggactgcttg	agcccaggag	atcaagactg	cagtgaaccg	3840
tggtcatggt	gcgccacagc	ctgagtgaca	gagagagacc	ctgtctcaaa	aacaaaaaca	3900
aacaaaaaac	acttaacctt	cctgtttttt	gctgttggtg	ttgttggttg	tttgttttga	3960
gatggagtct	cactctgttg	cccaggctgg	agtgcagtg	cgatgatctg	gctcactgca	4020
agctctgcct	cccgggttca	cgccattctc	ctgcctcagc	ctcccagagta	gctgggacta	4080
taggcgcctg	ccaccacgcc	cggctacttt	ttgtcatttt	tagtagagat	ggggtttcac	4140
cgtgttagcc	aggatgggtc	tgatctcctg	acctcgtgat	ccacctgcct	cggcctccca	4200
aagtgcctgg	attacaggca	tgagccaccg	caccgcgcca	acctttctgt	tttttagttt	4260
gatatgcttg	ttaactcagc	agctgaaaga	atgctgaaag	tggccttcag	taaaaaaatt	4320
tcactagaat	ctctacatcc	atatttaate	tgaatgcata	tccagattga	tcagttagag	4380
caaaaacact	catcatcatt	cctgatgacc	tctaattctg	gtttcggcct	tctattttcaa	4440
tggaaacaga	ataaggaaa	aaatggaagg	gctctggaaa	tttgtcctgg	gctatagata	4500
ctatcaaaga	tcaccaacaa	taagatctct	cctataaata	taaaacaagt	ataatttaatt	4560
ttttaattat	ttttttctct	tcagaggatt	ttattttcaag	ataaaacata	acttctaccc	4620
atactattga	ttccaaagg	tagaaaaagt	gtttttctct	atcttatcct	tcaaagaggt	4680
cacagcaatg	caaacatcta	taaaatgcct	ctgcataatt	gtcagaagct	atagttccaga	4740
aatcattgaa	aatgcttttc	catttttaagc	ttaggtgagg	tgtcttagga	aacctctatg	4800
acaacttact	ctattttatt	ggaggtaaac	tcccagactc	tcccagggtc	tctgttattg	4860
atctcatttt	ttaggcttcc	taatcccttg	aagcacaaatc	gaaaaagccc	tggatctctt	4920
ttctgcacat	atcatcgccg	aattcattcg	gcttcacaga	agctgacact	ccatgtataca	4980
agcgcctctg	ccctctctcg	gacgccagtc	cttgctgcgg	ttagctagga	tgaggggttt	5040
gctgggcttc	agtgcaggct	tctgcgggtt	cccaagccgc	accagggtgg	ctcacagggt	5100
ggatgtcacc	attgcacact	gagctcctgg	caggctgtac	caatttttta	attattttaat	5160
atttattttt	aaaatttatg	tgaatatttt	ggtattctgt	tctaaaatag	gcccataaat	5220
gcacagcaga	tatctcttgg	aaccacagc	tttccactgg	aagaactaag	tatttttctt	5280
ttaaagatgc	tactaagtct	ctgaaaagtc	cagatcctct	acctctttcc	atcccaaact	5340
aagacttggg	atttatgaga	gatctagcta	acagaaatcc	cagacacatc	attggttctt	5400
cccagagtgc	agtcctccta	aagaggctca	gccctaagca	ggccccctga	ccaggagggt	5460
gggtctgaga	cccacatagc	acttcccaag	gtgcatgctc	cagagaggca	ctgaaacagc	5520
tgagcacaa	cctgcaagcc	tggagaactc	tcacagtcag	aacggagggg	gccagtgagg	5580
actaacataa	agagaaaagg	gaacacagag	aaatggatgg	caccaacaac	cagcaaagcc	5640
ttcatggcca	atgaaagcat	cagtgcgggg	gccagaaccc	tcatcccca	agactcttca	5700
ctgcctttag	tgaaaaacaa	tggctagaga	gtgaagttat	gatcatgtat	agagaggtaa	5760
agttacattt	ttatattctg	actctgctaa	tgtgaaattc	cctatctgct	agactaaaag	5820
tttcagacac	cctgttcaaa	tatcccatta	gttgctagag	acttaaaatg	aacagaacgc	5880
acattgtcag	gatgactatt	accaaataat	caaaagacag	caagtattgg	tgaggatgta	5940
gagaaactgg	aacttttggt	cactgtttat	gagaatgtaa	aatggagcag	ctgctgtgga	6000
aaagagtatg	caggttcctc	aaagagttaa	accaagatgt	ggaaacaact	aaatgcccc	6060
cagtggatga	aggggtagac	aatatgtggt	atacatatc	catggagtac	tattgacct	6120
ctaaaaaaa	aaaaggaaat	tctataacat	gtacacagat	ggatgaatct	tgaggacatt	6180
ttgctaata	aataaggcag	tcatagaaag	acaaatactg	cacgactcca	cttatatgag	6240
ataccaaaaa	tagacaaatt	catagaatca	aagagtacaa	tggagggttac	ctggagctgc	6300
agggcgggaa	acgaggagtt	actaatcaac	gaacataacg	ttgcagttaa	gtaagatgaa	6360
taagctctca	agatcagctg	tacaacactg	tacctagagt	caacaataat	gtattgtaca	6420
cttaaaaaat	tgttaagggt	agattaacaa	atgtagtaga	tccacaaatg	tggtttaagt	6480
ttcttaccac	agtaaaataa	aaaaagaata	tcaagcccag	gagttcgaga	ctagcctggg	6540
taacatggtg	aaaccctgtc	tctacagaaa	atacaaaaat	tagccagctg	tggagggtga	6600
ctcctagggg	ggctgagggt	ggaggcttgc	ttgagcccag	gaggtcaagg	ctgcagtga	6660

ccatgattgc	accactgtac	tccagcccag	atgacagagc	aagacaccac	cccccccaaa	6720
aaaagaaaaa	gaatatcaaa	catttttaaaa	gatcagatac	gcaagaacaa	caacaaaaaa	6780
gagatgaaca	gagcatcgac	cctcatctag	tgggattctt	ggtctaactg	aaaaacagac	6840
attgagagac	aaacaatgac	agtgatgtga	tcacagcaat	tacacaggta	tcccctgggg	6900
actgcagaag	aaaggaggaa	tgccctaact	tcagaaaaata	gagaaagcgt	caaacagttg	6960
gtgaaagcct	tccaaaacta	gagagaactg	cacacaccaa	atcacagaaa	gaagaaaagc	7020
cgtggggagat	tctgggaccc	accggctatt	tttgatggct	gaacaccctg	ctgcaggaga	7080
gacaggagct	ggaaagcatg	gtgggatgaa	acctcaaaca	gctttgcctg	cattgcttaa	7140
gatgactggg	cttgattaac	tctagtcaat	ggggacaatt	caatcaaaga	agaaagatgc	7200
tcaaattcac	attttagaat	gattttttat	ggcagtatgg	ggaatagatt	aaaagagagt	7260
gaagctggag	gcaagaaact	tgtaaagagg	caactgaaac	agtctagatg	ataaataata	7320
aactgacaga	gtgactagaa	aaatcagaac	aggctgaatc	aacagatacc	tagatgaaaa	7380
taacaggact	tgatcaccag	ttgtatcttg	gagaggaagg	agttgtttcc	ttgctttccc	7440
tacgactggg	aatacgggaag	gtttgcccgtg	tgtattgggt	atatactggg	gtgtagccaa	7500
tcactgacaa	ccatttagca	gcttaaaaca	caaaggctta	tctcccagtt	tctgtggggc	7560
aggaatctaa	cataggctta	gctggctggg	tctggctcag	agttttctca	gaggttgcaa	7620
tcaagatgtc	agctgggggt	gcatcatctg	aaggctcaac	tggggccgga	gggtccactt	7680
ccaaggagtt	cactcacctg	cctgacaagg	cagtgcctgg	tggtggcagg	agatctcaat	7740
tcattgccaa	gtgagcctct	ctatagcatt	gctggaacat	cctccccatc	tggcagttgg	7800
cttctctcag	ctgagtgatg	ctgagagaga	gagcaaggag	gaagccacag	tggtcttctc	7860
actcctactc	ctaaccactat	ggacctactc	ctaaccactc	cacttctgcc	ttattccatt	7920
agttagaaaag	ggaactaagc	tccacctctt	gaaataagaa	gtgtcaaaga	atttgtggat	7980
atattttaaaa	atcatcacac	tgtggaagtg	gatagggggg	tcaattaatg	ctgaacttga	8040
aatgcctgag	acattcaaat	gtccaacagg	caatgaacat	acccatagat	ggtcagtact	8100
ttagcaagaa	tagaggaaga	tcacagaatt	aaagggaat	tgaaaggtaa	aagaattgga	8160
gtcagattcc	ccctgaaaag	tgagccatga	aagggaactt	aactattgag	ttagagggtca	8220
gagtaggaaa	tttcgggtgga	attctttttt	aaagaaagga	accatataag	catgttttga	8280
ggtagaggga	gaataaatca	gtagacaggg	agaggtaaaa	aacataaatg	ataggggata	8340
ggtgacaaaag	gtcttggcag	aatcccttac	ccattgactt	ggggccaaga	gagggacact	8400
tctttgtttg	agggataagg	aaaataagaa	agaatgggtg	ctatttagtg	tggtcctgtc	8460
tctagggcaa	acgcataagg	aacaaaactgt	gtgtgttagg	aatatagatg	tgacctcaca	8520
ttgagattct	cacctcaaat	ccatttttgt	gttacctgta	ccttcctacc	ttctcttttt	8580
gctacatgca	gactgctggt	ttgtcttcct	ggcctgttcc	aggtttcagc	attctggcat	8640
atctgctacc	ctgttcccaa	acctctctag	agtcctagct	ccttccttgg	atagtgtttg	8700
attggggcac	gtatctaaga	agtgatgcct	tcagttaggc	ctgagaacct	cctctatgga	8760
aatctccatc	agtgaacctg	acagacttgg	tatcttggag	atgtcactgc	tcccagcctg	8820
tggtctagga	gaatctcagc	ctgggcctct	agtagtatgg	ataaggcgtt	aaggatctct	8880
tgaaccagag	tctgtcatat	tcctcaatgt	gggacagata	aaacagtggt	agtgctgggtg	8940
ttcttagagct	agaactctgg	tttttggtct	agattcctta	atgtatgacc	tttcagaggt	9000
attaaaaattt	gttctaatac	aatgttcaat	acaaatgtag	ttccttttct	gttaggacct	9060
caacaaaaca	tgaccaactg	tagatgaaca	ttaaactatg	acaattcatg	gaaatgaata	9120
cagtaatacc	tgcggttccc	ccatttttagc	agtcactatg	gtgacatttg	gcacaaaatgg	9180
ctattttaagg	gtgcttttgt	taaaacctac	catcttacta	ggcacatgat	attgaaacta	9240
atgaataaat	ggagaaactt	cttaaaaact	tttaagtgaat	aaagtgatga	agtgataata	9300
ttttagctgc	tatttataaa	gtgactatta	cagggtcaaac	attcttctag	ggtttttttg	9360
ttgaagttgt	cacatttaat	ccttaataac	ccactatgag	tcagggtattc	ttctctcccc	9420
tttgacagct	tggggaaatg	gggggtcagag	agggttaggta	atttgctcag	ggccacacaa	9480
cctgcatgta	gaaaatctga	gatttgtaca	ggaacgtatc	aaactctgaa	gtccatgctt	9540
ctattttccc	atgctgcctt	tctaataaaa	ggttaactaat	gctactggat	gctgccccca	9600
aagtgagtca	ctttcacccc	accctacttg	attttctcca	taaaactaat	cacatcctga	9660
caacttattt	attgctgatc	tccccacta	gattataaac	tcaataaaaag	caagatcctt	9720
gtctgctgaa	tatcagtacc	taaaacgctg	tctagcacag	agcaagtaat	taatatttgt	9780
tgaatgaaca	aataaaggaa	aaaaattcaa	aggaagaaaa	agccctaata	cagatgttta	9840
cctaaacata	catttttaaaa	gaaagcatat	aacaaattca	ggacagaatt	taaatttgat	9900
tttttaaaaga	aataaccaag	tgctagctgg	gcacagtggc	tcacacctgt	aatcctagca	9960
ctctgggagg	ccgaggcagg	cagatcactt	gaggtcaaga	gttcaagacc	agcctggcca	10020
acatgggtgaa	acctgtctct	actaaaaata	cagaaattat	ccaggcatgg	tggcaggtcc	10080
ctgtaacccc	agctactcag	gaggctgagt	cagggaattt	gcttgaaccc	aggaggcaga	10140
ggttgcagtg	ggccaagatt	gcaccactgc	actccagcct	gagtaacaaa	gcaagactct	10200
gtctgaagga	gaaggaaaga	aagaaggaaa	gaaggaaaga	aggaaagaag	gaaagaagga	10260
aagaaagaaa	gaaagaaaga	aagaaagaaa	gaaagaaaga	aagaaagaaa	gaaagaaaga	10320
aagaaagaaa	aagaaagaaa	gaaagaaaga	accaagtgtc	tatttggggac	ctactatgct	10380
atgtttttcc	tttcacgcta	tttcacgtaa	agcagtttagc	aaacttgcaa	gatcataaca	10440
acaaatatat	gcttctataa	ctctaaaatt	gtgctttaag	aagttcctct	ttaccagctc	10500
atgtatgcat	tagttttcta	agagttacta	gtaacttttt	ccctggagaa	tatccacagc	10560
cagtttattt	aaccaaagga	ggatgcttac	taacatgaag	ttatcaaattg	tgagcctaag	10620
ttggggccagt	tcatgttaat	atactccaga	acaaaaacca	tcctactgtc	ctctgacaat	10680

tttacctgaa	aattcatttt	ccacattacc	aaggagccag	ggtaggagaa	tatagaaaga	10740
ccacccaaga	atccttactt	ctttcagcaa	aatcaattca	aagtaggtaa	ctaaacacat	10800
gccctaacaa	tgaatagcag	attgtgctca	gaagaatgat	ctacaacatc	ttactgtgaa	10860
ggaactactg	aaatattcca	ataagacttc	tctccaaaat	gatttttattg	aattttgcatt	10920
ttaaaaaata	ttttaagcct	aaatttttaa	aggtttgata	ttggtacatg	aatagacaaa	10980
cagacatgga	ctagaccaag	aatttaggttc	aaacatatat	aggaatttaa	tatacgataa	11040
atctagtatt	ccaaaggaac	caacaaatgg	tgttcagaca	gcaggatagg	catcaggaaa	11100
aacacagttg	ggcaccctac	cttactccta	acaccaggag	taactgaagg	agcaccaaat	11160
atttattttat	tttaattata	gttttaagtt	ctagggtacg	tgtgcacaa	atgcaggttt	11220
attacatagg	tatacatgtg	ccatgttggt	gaggagcacc	aaatatttaa	aagaaaaaaa	11280
ttggccaggg	gcggtggctc	acacctgtaa	tcccagcact	ttgggaggcc	aagggtgggca	11340
gatcacctga	ggtcgggagt	tcgagaccag	cctgagcaac	atggagaaac	cccattctcta	11400
ctaaaaatac	aaaattagcc	aggcatgggtg	gcacatgcct	gtaatcccag	ctacttggga	11460
ggctgaggga	ggagaatagc	tttaatctgg	gaggcacagg	ttgcgggtgag	ctgagatatt	11520
gcactccagg	ctggggcaaca	agagcaaaa	ttcaactcaa	aaaaattaat	aaataaaata	11580
aaataaagaa	agaaaaagaa	aaaatgaaaa	tagtataatt	agcagaagaa	aacaccgtag	11640
aatcctcgga	ctcttaggat	ggggaatgcc	tataatataa	aaaccctgaa	gttataaaag	11700
agaaaatcac	ctacatacaa	accaaactctt	tctacatgcc	taaaacatag	cacaaacaca	11760
gctaaataat	catagctgaa	tgaactggga	aaacaaaact	tgactcatat	ccagacagag	11820
ttaatttttc	tacacataaa	gagtacctat	ataaacccaa	caaaaaaacc	accactaacc	11880
caaaaataaaa	atgtgacagg	taatgaacag	gtagttcaca	gagaatacaa	atggctcttc	11940
ggcacataag	atgctcagac	tgactttttac	ttattttattt	tttgagagac	agggctctcac	12000
gatgttgccc	aggtttaggtc	caaactcctg	ggctcaaagt	atagtaccag	gactacaggt	12060
gtgccccacc	gcacctgggt	cctcaaccac	ctgtattaac	aggaaatgca	aaataaaaact	12120
ttcaaatcta	ttttacctat	tagaatggca	aaaatttgaa	aaacttcaaa	catcatcatg	12180
ttggtgagaa	tgtgaggaga	ctggcactct	catttttttgc	tgatagcata	tataactga	12240
tggcttctat	ggaaagcaat	ctggcagcgt	ctatcaaagt	tacaagtgca	tatatccttt	12300
gacaaagcaa	ttccactcta	ggaatgtgtt	ctatatgggt	gtgcttccctg	gggctgggaa	12360
ctgggagcta	agggacaggg	gcagaagata	atcttctttt	ccctccttcc	ccgttaaaca	12420
tgttgaatttt	aatatattat	ttttcacaaa	ttttcacaaa	agataatttt	taaggctatat	12480
gtctgggaat	tttttttttt	cttttctgag	acagggtctc	actctgtcat	ccaggctgga	12540
atgccatggt	atgatctcag	ctgactgcag	cctcgacctc	ctgggttcaa	gcaatcctcc	12600
cacctcagcc	tctctagtag	ctgggactac	aggcacgtgc	catcatgcta	atttttgtat	12660
atacagggtc	tactatgtt	gcccaggcta	atgtcaaaat	cctaggctca	agcaatccac	12720
ccacctcagg	ctccaaagtg	ctgggattac	aggcgtgagc	caccgcgcct	ggccctggga	12780
attcttacaa	aagaaaaaat	atctactctc	cccttctatt	aaagtcaaaa	cagagaagga	12840
aattcaacct	ataatgaaag	tagagaaggg	cctcaaccct	gagcaacaaa	cacaaaggct	12900
atctctgaga	caggaatttg	ctgaacaaaa	tcgaggggag	atgacaagaa	tcaagactca	12960
ttctctgggt	gggcgcagtg	gctcacacct	gtaatcccag	cactttggga	ggccgaggcg	13020
gacagatcac	gaggctcagga	gattgagacc	atactggcta	acacagtga	acccagtctc	13080
tactaaaaat	acaaaaaatt	agccgggctg	gggtggcaggt	gcctgtagtc	ccagctactt	13140
gggaagctga	ggcaggagaa	tggcgtgaac	ccaggaagcg	gagcttgtag	tgagccgaga	13200
tcacgccact	gcactccagc	ctgggtgaca	gagcaagact	ctgtctcaaa	aaaaaaaata	13260
aagactcatt	tctctagatc	ttgagccgta	ttcaaattta	tctcagctta	gtgagagggt	13320
aaagcaagga	atataccttc	ctgtgggccc	tgctccttac	tgaaggaagg	taacggatga	13380
gtcaaggaca	ccaatggaga	aaagcactaa	caccattatc	tgatgaacat	tacgtgaaga	13440
agggtaaaga	gtgaagtgga	attgctgaag	aagtcaagtga	aagcggacat	tcattttgggg	13500
aaatggaata	taggaaatcc	ataaaagtga	ttaaaaagat	gttagaggct	gaggcggggg	13560
gaccacaggg	tcaggagatc	gagaccatcc	tggctaaccac	gggtgaaacc	catctctact	13620
aaaaatacaa	aaaattagcc	aggcgtgggtg	gcaggcacct	gtagtcccaa	ctactcggga	13680
gactgaggca	ggagaatggc	atgaaccctgg	gagacggagc	ttgcagttag	ccgagatcac	13740
gccactgcat	tccagcctgg	gtgacagagt	gagactccat	ctcaaaaaaa	aaagttagat	13800
acgagagata	aagatccaac	agacacacaa	ctgctaattc	tgaacagaa	aaaacaaatg	13860
gcacaggaaa	agaaaattta	agatataaca	ccggaataact	ttcctgaaat	tgagtaactg	13920
aatctatagc	ttgaaagggt	ttagcatatg	ccaagaaaaa	tcagttagagt	ccaaccagca	13980
caagacacat	ctagcaaggc	tgggtgattct	accaacacag	agaaagaagt	gggtgaccca	14040
taatgctgaa	aaaggcagac	catctgcagt	ctctctcaga	acactggagt	ctgaagacaa	14100
aagaatgctg	cctactgagc	cagaagggag	agaaactgac	ccaacacatc	tttaaccaagt	14160
tagaatgtca	cgcattattt	aaaggctgca	aaagccatga	aagacatgaa	agaacacaag	14220
catttacaac	atgaaagaac	acaagcattc	tcataactcaa	gaatccttaa	gaaaaatgta	14280
gtcctaatacc	agcccactga	aagttaaatg	tacttaatgt	gctcattaat	gggaacttca	14340
tagcttcaaa	tcagttcggg	cccactctacc	aacatctctc	gcccggcttt	cctgcaatag	14400
tcagcacctt	tccctcctcc	cagtcctgtc	ccctggagtc	tgctctcagc	atagcagagt	14460
gaccacatca	acacccaagt	cagagccctc	cagtgccgac	tggctctaaa	agcccttccc	14520
acccccacc	ccacgtgccc	tccggatcct	tgtgacgtgt	ctcctgcata	ccctagcagc	14580
cctggcctcc	tactgcccc	tccgtgtacat	caggaaggcg	actccttgag	tcttggtctc	14640
ggccgcctcc	tccacctgca	gtgagttaac	tcccttacct	actctaggtc	attgctcaaa	14700

tgtcagcatc	tcaatggggc	cctccctgac	taccctattt	aaattctaca	tactcccctt	14760
gaccccatgg	acctcactca	ccctattcca	cttttattct	tacaatttag	cacttggtct	14820
cttctaacgt	attctaagac	ttactcattt	attacattgt	ttgccacccc	ctctagtaca	14880
taaactccag	aggggagagg	atttctgtct	atttattcat	ttctttatcc	ctaggacata	14940
gaacagggca	tagttcagag	tattcaatgt	tatcaatgaa	tgaactagca	gtagtaccag	15000
ttccagttag	gcacagaatt	aaatctaaat	agaattaaat	ctcatgggtct	gggttaacta	15060
tggatagaaa	attagatata	attttaagaa	gcctagaaag	aaaaaattaa	taatgtaaaa	15120
ataatattaa	tttgataata	ataacaaaaa	ctctgccagg	cactgtgggt	caaatctgca	15180
atcccagcta	ctcaggaggc	tgagggtggaa	ggatcacttg	agaccagagt	tcaagactca	15240
gcctaggcaa	cacggcaaga	aactgtctct	aaaaaaatta	aaacttaaat	ttttaaaaaa	15300
gaattctcaa	agcgtcacia	aaactggaga	ttaaggtaga	ggaagtgtga	agtaattatta	15360
ctatgctaatt	ggtttttttt	tttttttagaa	aggtataacc	aaaagatttc	tttctcaagt	15420
cgataaaactg	agaaagataa	gcataatcttc	caattaacag	agggggagga	aaagccagat	15480
acaacaaaaat	aagatataaa	ttagttttcca	gttgaaaaca	agagtagggag	ttatttttgca	15540
tcacctcacc	tgtgacctcc	cccagcccaa	aaaacactac	tgataaaacag	ggtagaaaaa	15600
catcatctca	gataaagcag	gaaaaaactgc	cacagtctca	aaccacaaac	tataagcaca	15660
cacctggcca	accctgccaa	gtctgggctc	agtaggagga	acgtgctgag	agctaggatg	15720
taccaactta	gacattctgt	gggatacaga	tgtccctgga	aggggtcacac	catctcaaag	15780
gcacctgtaa	tgcccactga	ttacagccac	catatgtgag	agagaaactc	agggcactta	15840
gagagtataa	caagaacctt	atgtcatctg	agataggaa	tcctcagccc	tgcaaatata	15900
ccaactcttt	agaacaactg	gcaaaaacata	aatatccaca	acttttgttt	cagtaattcc	15960
actcttagat	atcaatccaa	agtacatgag	acagcagata	cacacacaaa	atgggtattta	16020
ctgcagcatt	gtttataata	gcaaaaaaca	agaaataatc	catatgtctc	aataggatag	16080
tgggtacatg	aggggtatgta	cccatcattc	aaccatcaaa	aagagtata	tggatgtcca	16140
catagtgaca	taaaagctg	tgtgttacgt	gaaaacaaac	tcaagcagca	gcaggatggg	16200
cttatgtatg	ctaatttctg	ctaatctctg	gaaaaaaaaa	tctagtgtgt	gcacagaaaa	16260
catctgaaag	aacagaaaca	aaactatcag	cagaatattg	agatgtttta	ctaagtgtga	16320
tatctatact	gcttgtaatt	tttaccocaa	gcaagaatta	ctttttggaa	aaagaaaatt	16380
caggaaataa	agcatttctt	taaacttcat	gtttaaacaa	atgggtgatgg	aataaaaagag	16440
ttcttattca	tcataaacac	acacagcaca	catgcacgca	tgtgcgtgag	cacacccttt	16500
acttgataaa	taccatgttg	aatatttttag	tctttccttt	taggttctat	cccttcactc	16560
aaaatgcggt	tataaataaa	tgtacttttc	atgtgccttc	tgccataaac	cactttaata	16620
taactttaca	gtcccattat	cattatagtc	tcaaagctag	actcagcctg	aaactaccct	16680
ttcattttgga	acccttatta	aatgcccaca	tacagctcct	tcaaataaaa	acaaacccta	16740
ggacctgaca	ctaggcttcc	tttggtgcta	ctcataatgg	ccaagttctg	tgcttataat	16800
acatcttctt	tcattttatt	gctacatatt	caagggtttt	atatgttttt	cttattatat	16860
cttaattcaa	aacaccatca	cgctcttttc	cagatgaaaa	taaggaaaaa	aaattgagca	16920
actgactgac	ttaaagggtca	taaaactata	tagtagcaga	gtcagcaaaa	gaagaaacac	16980
acatctccca	agttagaggct	gaaaaccagt	accattcacc	tccagggtga	gctatatata	17040
gattacaaaag	tcaccttctc	taaatgttca	aactgaattc	cataccata	ctttaccact	17100
acctcgtaag	aacagcctca	gatcttggtta	tagccttttt	tttagcatgc	tgaagccaat	17160
aaaatgcttc	ccattcagca	agagaaacaa	gttctgaaac	actgaataat	ctgcccagggt	17220
cctatgaaca	tttccactgt	gagaaatggt	ctccactgtg	tgagagaagat	ccttactctt	17280
ctccacacag	gcagaacatt	agaaaaattc	ttgattctta	tgatgcacag	cttagagctc	17340
tgttttagcac	caatttaagtc	caaatagttta	ttaaatcctc	ctctgttcca	gaaacagtgc	17400
taaatactgt	gaatataaaa	attgaaaaga	tactctcctg	gctcccaaga	aagtcagcca	17460
gatagaggag	acacaggcac	acaaatcact	gtcacatgaa	gctctacctc	cctaacttca	17520
aacgagggcc	taagtcacca	agaatacagt	agcagttgtg	actacgagta	actactataa	17580
ttcaataactt	tatcttccct	tagaaaaactc	ttctcccttg	gaaatttatt	tgcatttcta	17640
aataccattc	cttactaaaa	ggaagcaggg	ctccttgggg	aaatagctga	ttctaggtgt	17700
ggactatgaa	atgaaaatgg	tgagtctggg	acatcccatg	ttgccagaaa	atcaagggaac	17760
tgcccaaaga	ttacagaggt	catgttaaat	ggacctaaga	gtgaaccaga	aggagctcac	17820
tttgccccgc	gtggaacaat	ttcaagaaaa	acatgacagt	aatgaattat	aaaacatgaa	17880
ttaaaataca	tattgggtact	aaaaagagaa	caaaaggatg	tggctttgga	taaagctctt	17940
cttcatggaa	gaataaccagc	taataaatgt	aaaggaaatg	agagaattag	aaaaattatc	18000
attttgtaaa	ccttaatatata	ttcacctaga	catgtcaaaa	ccactgagta	aaaggctgct	18060
tgggaagagg	atgctcacat	gatctcagag	tttcacacca	cagataattt	attagatata	18120
ggaagggaag	tgtgatcaag	cttcctgtga	ccccacgcca	ggccccacaa	cactatgtgc	18180
ctccttgtga	tgtgggagct	acacagcattc	gcccacacag	cttctcgcca	aaactgtttg	18240
aagctaataca	caagggaaga	actggacagc	ttctgaccat	gagacgctcc	accagacaac	18300
ttgcttgggc	tctccaaaga	aacttgcttg	gcctctccaa	agaaaactca	gtttcattta	18360
aaaacaaaaa	taattatttta	aaaacaaacg	aaaagcaagt	tgtggacttg	agctccagggt	18420
acagagcaga	cataacttttc	cctgttcttc	ccagtaagtg	gtaataaaaa	ccctcaaacac	18480
tagatataaa	acaaatataaa	gaagggttctg	gaagggggaag	aggaggcaga	ctatccagggt	18540
gccttgaggc	ccacagaaca	accagtgat	gggttccactg	ggctctcttt	ttgcttcatt	18600
atctcagact	tggagctgaa	gcagcaggga	acttcaaaac	accaagggggc	acagattgaa	18660
aagccccaag	aaaagcctgc	cctctctagc	caaaggacca	ggaaggagac	agtctaataga	18720

gatggaacac	atttagacag	taactgcccc	tttaccagca	ataactgagc	agggagccta	18780
gacttccagt	cttgtgagga	cgtaccaagg	tacccaacac	ccccaccaag	gctgagtaag	18840
gactgcgact	tttatccctg	catggcagta	gtaaggagcc	catccctcac	ccgccagcag	18900
tgtcagggga	acctggactt	ccactcccac	ccaggagtga	tgaggccctc	cctgctgggg	18960
tcatgtcaga	ggaggccctag	tggagattca	gtgacttaac	cttttcccag	agataatgag	19020
gccacctttc	ctccctcttc	cccatgggtg	acagtgaag	cactgtggca	agcagtaggc	19080
actcctaccc	ctcctagcca	gggaggtatc	agggaggcca	agtagggaac	cagaataccc	19140
acaaccaccc	agcagcaaca	ggggtccccc	acccatttgg	gtgtcaatgg	aagcagagcg	19200
gaaagcctgg	atattttaccc	ccatctagaa	gtaacaagct	gatgtccccc	ttcttctact	19260
acaatgggtg	tcaaaacagg	tttaataaag	gtctagagtc	tgataacgta	atacccaaat	19320
cgttgaagtt	ttcattgagg	atcattttata	ccaagagtca	ggaagatccc	aaactgaaaag	19380
agagaaaaga	caattgacag	acactagcac	taagagagca	cagatattag	aactacctga	19440
aaggatgtta	aagcacatat	cataagcctc	aacaggctgg	gcgcggtggc	tcacgcctgt	19500
aaccccagca	ctttggggagg	ccgaggcagg	tggatcacaa	gatcaggaga	tcgagaccat	19560
cctggctaac	acggtgaaac	cccgtctcta	ctaaaaatac	aaaaaaaaaat	agcaaggcat	19620
ggtggtgggc	acctgtagtc	ccagctactc	gggagcctga	ggcaggagaa	tggcatgaac	19680
ctgggaagag	gagcagtgag	ccgagatcgc	accaccgcac	tccagcctgg	gcaacagagc	19740
aagacttcgt	ccccaaaaaa	aaaaaaaaaaa	aaaaaaaaaagc	ctcaacaaac	aactacaaac	19800
gtgcttgaaa	caaatgaaaa	aaaaatcttg	gcaaagaaat	aaaagatata	tatttttgcc	19860
aggtgcagtg	gctcacagcc	tgtaatccct	gcactttggg	aggctgaggg	aggcggatca	19920
cttgaggtga	accagcttgg	ccaacttggg	gaaaccccg	gaaaccccg	ctctactaaa	19980
aatacaaaat	tagccagtc	tgggtggcaca	tgcctgtaat	cctagctact	caggaggccg	20040
aggcaggaga	atcgcttgaa	ctcaggaggt	ggaggttgcg	gtgagccgag	atcccgccat	20100
tgcacattgc	actccagcct	gggcaacaag	agcaaaactc	catctcaaaa	aaatagatac	20160
atattttaat	ggaaatttta	gaattgaaaa	atacagtaac	caaattgaat	ggaaagacaa	20220
catagaatgg	agggggcaga	caaaaataatc	agtgaacttc	aacagaaaaat	aatagaaatt	20280
acccaatatg	aagaacagaa	agaaaataga	ctggccaaaa	aataaagaag	aaaaaagagg	20340
agcagcagga	ggaatgatgg	aaaaagagaa	aggaaggaag	gaagggaagg	agggagggaa	20400
ggagtggagg	agaaagtctc	aaagacctct	gagactaaaa	taaaagatct	aacacttgtc	20460
atcagggtcc	aggaagagag	caaagatggc	acagctggaa	acgtattcaa	aaaataatag	20520
ctgaaaactt	cccaaatttg	gcaagagaca	taaacctata	gattcgaaat	gctgaacccc	20580
aaataaaaaag	cccaataaaa	tccacaccaa	aatacatcat	agtcaaactt	ctgaaaagac	20640
gaaaagagaa	aacgtcttga	aagcagtgag	tgaacaaca	cttcatgtat	aagggaaaaa	20700
caattcaagt	aacagatttc	ttacagaaat	taaggaagcc	agaaggaaat	gacacaattg	20760
ttttcaagtg	ctgaaagaaa	agaagtgtca	acacaaaatt	ctagattcag	taaaaatctc	20820
cttcaagaat	caatgggaaa	tcaagacagt	ctcagataaa	gcaaaaataag	agaatatgtt	20880
gccagcagat	ctcccctaaa	ggaatggcaa	aaggaagatc	atgcaacaga	ccaaaaaatg	20940
atgaaagaag	gaatccagaa	acatcaagaa	gaaagaaata	acatagtaag	caaaaaatac	21000
tgtaattaca	ataaattttc	tatctcctct	taagacttct	aaatttatatt	gatggttgaa	21060
gcaaaaatta	taaccctgtc	tgaagtgtct	ctactaaatg	tatgcagaga	attataaatg	21120
gggaaagtat	agggtttctat	acctcattga	agtggtaaaa	tgacaacact	gtgaaaagtt	21180
acatacacac	acacacgtaa	gtatatataa	atatatgtgt	gtatatgtgt	gtgtatatat	21240
atatatacat	ataatgtaat	acagcaacca	ctaacaacac	tatacaaaaga	gataataacc	21300
aaaaacaatt	tagataaatt	gaaatggaat	tctaaaaaat	attcaaatat	tctacaggaa	21360
gacaagacaa	aaagagaaaa	aaagaggagg	acaaactaaa	tttttttaaaa	acataaataa	21420
aatggtagac	ttaagcccta	acttatcaat	aattacataa	atgtaaatga	tctaattata	21480
tcaattaaaa	gacagagata	gcagagttaa	tttaaaaaca	tagctataag	aaacctgctt	21540
tgggctgagt	gcagtgaact	acacttgtaa	tcccagcact	tcgggaggcc	aaggcggttg	21600
gatcacctga	ggtcaggagt	tccagaccag	cctggacaac	atggtaatac	cccatctcta	21660
ctaaaaatac	aaaaaaatta	gccaggcatg	gtggcacacg	cctgtagtcc	caactactca	21720
ggaggctgcg	acacaagaac	tgcttgaacc	cgggcagcag	aggtagcagt	gggccaagat	21780
tgcgccactc	cagcctgaac	gacagagtga	gactccacct	cagttgaaaa	acaaaaaaga	21840
aacctgcttt	aaataatacca	acatatgttg	gttgaattta	aaagaataaa	atatatcatg	21900
aaaacattaa	tcaaaagaaa	ggagtggcta	tattaataac	ataaaataga	cttcagagaa	21960
aagaaaattt	caagagacag	gaataaaaag	atcaagaaaa	gatcctgaaa	gaaaagcagg	22020
caaatcaatc	attctgcttg	gagattcaac	accctctctt	aacaactgat	agaacaacta	22080
gacaaaaaaa	tcagcatgga	gttgagaaga	acttaacacc	actgaacaac	aggatctaatt	22140
agacatttac	ggaacactct	acccaacata	agcaaaaata	acattctttt	caagtattca	22200
ctgaacatat	ccttagaccc	taccctgggc	cataaaaaca	agctcactag	tgattgccga	22260
aggcttggat	ggacagtgga	agagctgcat	ggggaggggag	aagggtgacag	ttaaagagtg	22320
taggattttct	ttttgggata	atgaaaatgt	tccaaaattg	attgtgggtga	tgttggcgca	22380
actctacaaa	tataaaaaag	gccattgaat	tgtacgtttt	aagtgggtga	aacatatggt	22440
atgtggatta	tttttaaacg	tttttaaaaa	cttaacacat	ttcaaagaat	agaagtcata	22500
cagagtggtg	tctactggaa	tcaaactaga	aagaggtaac	tggaggataa	cgagaaaagc	22560
ctccaaatac	ttgaaaactg	gacagcacat	ttctaaaatc	atccgtgggt	caaagatatt	22620
catttctgat	attcattttt	attgtttaat	gtatttttaa	aaattttcta	agggaaataa	22680
actgactaaa	aatgaatatg	gctgggtgcg	gtggctcacg	cctgtgatcc	cagcactttg	22740

ggaggccgag	gctggtggat	cacaagatca	ggagttcgag	accagcctgg	ccaagatggt	22800
gaaaccccgt	ctcaactaaa	aaactacaaa	aagtagccaa	gcgcagtgge	gggagcctgt	22860
ggtcccagct	acttgggagg	ctgaggtagg	agaatcgctt	gaacacaggg	agcagaggtt	22920
gcagtgagcc	aagatttgtc	cactgcacgc	cagcctgggc	gacagagact	gcctcaaaaa	22980
aaaaaaaaaa	aaaaagaata	tcaaaatttg	tgggacatag	ttaaagcaat	gctgagaggg	23040
aaattttata	cactaaatgt	ttacattaga	aaagagaaaa	agtttcaaat	caatagtctc	23100
cactcccatc	tcaagaacac	agaagatgaa	gagcaaaata	aacccaaagc	aagcaaaaaga	23160
aagaaaatat	aaaaataaat	cagtaaaatt	gaaaacagaa	acacaataaa	gaaaatcagt	23220
gaaacaaagt	actgattctt	cgaaagatta	ataaaattga	caaacctcta	gcaaggctaa	23280
caaacaaaaa	agaaagaaga	cacggattac	cagttattag	aatgaaagca	taattagaaa	23340
caactctaca	cattataaat	ttgacaatgt	agatgaaatg	gactaattac	tgaaaaaaca	23400
caaattacca	caactcacc	aatatgaaat	agataattgg	gatagcctga	taactactga	23460
gaaaattgaa	tttghtaatt	taacactctt	aaaacagaaa	cattaaactt	aatattttat	23520
aaatattaga	taaggtaatt	atacccttcc	ttaacaaata	aaaacgacaa	attatttttg	23580
agctaaagag	atgtatgtac	tgtgaaaaat	atcttcagaa	aaatagaact	ttgtttgagg	23640
aataaggatt	ttaaaaatgt	ttttaactct	caagaagcaa	atatctgggc	ccagatggtt	23700
tactgaaga	attctacca	atgtttaatg	aagaattacc	accaactcta	catagcatct	23760
ttgagaaaa	tgaagagaag	ggaacatctc	ccagttcatt	ttatgaagtg	ggtgttactc	23820
tgatactaga	actgtataag	gacagctact	cttgacacac	tgcttatggg	tagctctgct	23880
ctgcaggaac	agtcagaaaa	aaaaaataaa	gaagcactgg	acaagggcag	tataaaaaaa	23940
gaaaactggg	cagggtgcag	tggtctcacac	ctgtaactct	agcactttgg	gaggctgacg	24000
ctggtggatc	acctgaggtc	aggagtttga	gactagcctg	gccaacatgg	taaaaccctg	24060
tctctactaa	aatacaaaaa	ttagccaggc	agggtgggtg	ggaaaataaa	aaggaaaaaa	24120
aaacaaaaat	aaactgcaga	ccaatatcct	tcatgagtat	agacacaaaa	ctccttaaac	24180
tccttaacaa	aatattagca	agtagaagca	atatataaaa	ataattatac	accatgacta	24240
agtgggactt	attccagaaa	cgcaagtctg	gttcaacatt	tgaaaaacaag	gtaaccact	24300
atatgaacgt	actaaagagg	aaaactacat	aatcacatca	atcaatgcag	aaaaaagcat	24360
ttgccaaaat	ccaatatcca	ttcatgatac	tctaataaga	aaaataagaa	taaaggggaa	24420
attccttgac	ttgataaagc	ttacaaaaga	ctacaaaagc	ttacagctaa	cctatactta	24480
atggtgaaaa	actaaatgct	ttcccctacg	atcagggaaca	aagcaaggat	gttcaactct	24540
attgctctta	tttaacatag	ccctgaagtt	ctaacttgtg	caaaacgata	agaaagggaa	24600
atgaaagacc	tgagatttgg	caaagaagaa	ataaaactgt	tcctgtttgc	agatgacatg	24660
attgtctcat	agaaaatgta	aagcaactag	gggtaggggg	gcagtgagga	cacgctggtc	24720
aaaggataac	aaatttccagt	taggaggagt	aagttcaaga	tacctattgc	acaactagg	24780
aactataact	aatataattgt	attcttgaaa	atactaaaag	agtgggtgtt	aagcggtctc	24840
accacaaaaa	tgataactat	gtgaagtaat	gcatacgtta	attagcacia	cgtatattac	24900
tccaaaacat	catgttgtac	atgataaata	cacacaattt	tatctgtcag	tttaaaaaa	24960
catgattttg	gccaggcaca	gtggctcata	cctgtaatcc	cagcatttta	ggaggctgag	25020
gcgagcagaa	aacttgaggt	cgggagtttg	agaccagat	ggtcaacata	gtgaaactcc	25080
gtctccacta	ataatacaaa	aattagcagg	atgtgggtgg	gtgcacctgt	agaccagct	25140
acttgggagg	ctgaggcacg	agaattgctt	gaacaaggga	ggcagaggtt	gcagtgagct	25200
gggtgccact	gcattccagc	ctggtgacag	agtgcagctc	catctcaaaa	aaaataaaat	25260
aaagcatgac	ttttcttaaa	tgcaaaagcag	ccaagcgcag	tggtctatgc	ctgtaatccc	25320
accattttgg	gaagccgagg	caggcagatc	acaaggtcag	gagtttgaga	ccagcctgac	25380
caacatggtg	aaaccccatc	tctactaaaa	aatatataaa	ttagccaggc	atgtgtagtc	25440
tcagctactc	aggaggctga	ggcaggagaa	tcacttgaac	ccggaggcag	aggttgcagt	25500
gttgagccac	cgcactccag	cctgggtgag	agaacgagac	tccgtctcaa	aaaaaaaaag	25560
caaaataacc	taatttttaa	aacactaaaa	ctactaagtg	aattcagtaa	gtcttttaga	25620
ttcaggatat	atgatgaaca	tacaaaaaat	aattgagctg	gacaaaggag	gattgtttta	25680
ggtcagtagt	ttgaggctgt	aatgcacaat	gattgtgcct	gtgaatagct	gctgtgctcc	25740
agcctgagca	gcataatgag	accacatctc	tatttataaa	aaaaaaaaat	gtatctctat	25800
gtactagcaa	taagcacatg	ggtactaaaa	ttaaaaaact	aataaaatac	gttttttaatt	25860
gcctgaaaaa	aatgaaatac	ttacataata	atctaacaaa	atgtgcagga	cttgtgtgct	25920
gaaaactaca	aaacgctgat	aaaagaaatc	aaagaagact	taaatagcgt	gaaatatacc	25980
atgcttatag	gttggaatac	ttaatatagt	aaagatgcca	attttatcca	aattattaca	26040
caggataaca	ttattactac	caaaatccca	gaaaaatttt	acatagatat	agacaagatc	26100
atacaaaaa	gtatacggaa	atatgcaaat	gaactagagt	agctaaaaa	aatttgaaaa	26160
agaaaaataa	atcagtctat	atcagtctat	ccagtttcaa	gacttacata	gctacagtaa	26220
tcaagactgt	gatattgaca	gagggacagc	tatagatcaa	tgcaaccaa	tagagaacta	26280
agaaagaagc	acacacaaat	atgccccaat	gatttctgac	aaaggtgtta	aaacacttca	26340
acgggggaag	atatgtctct	cattaaaggg	tgtagagtca	ttgcacatct	ataggcaaaa	26400
agatgaacct	gaacctcaca	ccctacagaa	aaattaactc	aaaatgactc	aaggactaaa	26460
cataagatat	aaagataata	aacattttaga	aaaaggccac	gcacggtggc	tcacgctcgt	26520
aatcccagca	ctttgggagg	ccaaggcagg	tggatcacct	aaggtcagga	gtttgagacc	26580
agccggatca	acatggagaa	gccccatctc	tactaaaaat	acaaaattag	ctggacgtgg	26640
tggcacatgc	ctgtaatccc	agctacttgg	gaggctgagg	catgagaatc	gcttgaaccc	26700
ggggggcaga	ggttgcggtg	agccaagatc	acaccattgc	actccagcct	gggcaacaag	26760

agcaaaactc	caactcaaaa	aaaaaaaaaa	aaaggaaaaa	tagaaaaatct	ttgggatgta	26820
aggcgaggta	aagaattctt	acacttgatg	ccaaactaag	atctataagg	ccagtcgtgg	26880
tggctcatgc	ctgtaattcc	agcacttttg	tcaactagat	gaaagggtata	tgggaattca	26940
ctgtattatt	ctttcaactt	ttctgtaggt	ttgacatttt	tttagtaaaa	aattggggga	27000
aagacctgac	gcagtggtct	acacctgtaa	tcccagcact	ttgggaggcc	ggggcaggtg	27060
gatcacacgg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaaccc	cgtctctacc	27120
aaaaatataa	aaaattagcc	gggtgtcatg	gtgcatgcct	gtaatccag	ctactgagga	27180
ggctgaggca	ggagaatcac	ttgaacctgg	gaggtggaag	ttgcagttag	ccgagattgt	27240
gccactgcac	tccagccttg	ggtgacagag	cgagactccg	tctcaaaaaga	aaaaaaaaaa	27300
aaagaatatc	aaacgcttac	tttagaaact	atttaaagga	gccagaattt	aattgtatta	27360
gtatttagag	caatttttat	gctccatggc	attgttaaat	agagcaacca	gctaacaatt	27420
agtggagttc	aacagctggt	aaatttgcta	actgtttagg	aagagagccc	tatcaatatc	27480
actgtcattt	gaggctgaca	ataagcacac	ccaaagctgt	acctccttga	ggagcaacat	27540
aaggggttta	accctgttag	ggtgttaatg	gtttggatat	ggtttgtttg	gccccaccga	27600
gtctcatggt	gaaatttggt	ccccagtact	ggaggtgggg	ccttattgga	aggtgtctga	27660
gtcatggggg	tggcatatcc	ctcctgaatg	gtttggtgcc	attcctgcag	gaatgagtga	27720
gttcttactc	ttagttccca	caacaactgg	ttattaaaaa	cagcctggca	ctttcccca	27780
tctctcgctt	cctctctcac	catgtgatct	cactggttcc	ccttcccttt	atgcaatgag	27840
tggaagcagc	ctgaagccct	cgccagaagc	agatagtgat	gccatgcttc	ttgtacagcc	27900
tacaaaacca	tgagcccaat	aaaccttttt	tctttataaa	ttatccagcc	tcaggatttc	27960
ctttatagca	agacaaatga	accaagacag	ggggaaatca	acttcattaa	aataatctat	28020
gcagtcacta	aacaaataag	aacaagaggc	tccagaagtg	ggaagccaat	acccagagtt	28080
cctacaatac	agtatctgaa	aagtccagtt	tccaacccaa	aaatatatat	atacaggccg	28140
gacatggtag	cttatgtctg	taatcccagc	actttgggat	gctgaggcgg	gcagatcacc	28200
ctaggtcagg	agttcgagac	cagcctggcc	aatatggcaa	aaccccgctc	ctactaaaaa	28260
tacaaaaatt	agccaggcat	ggtggtggat	gcctgtaatc	ccagctactc	gggaggctga	28320
ggcagggaat	cacttgaacc	caggaggcag	aggttgtagt	gagccgagat	cacgccactg	28380
aactccagcc	tgggcaacaa	agtgagactc	cacctcaaaa	aaaaaaaaaa	tatacatata	28440
tatatgtgtg	tgtgtgtgtg	tgcgcgcgtg	tgtgtatata	cacatacaca	tatatacata	28500
tatacagaca	cacatatata	tatgaagcat	gaaaagaaac	aagggaagtat	gaaccatact	28560
ttctgtggtt	atgataggat	ggggtatcac	gggggaagta	gacaagggaa	actgcaagtg	28620
agagcaaaaa	gttatcagat	ttaacagaaa	aagactttgg	agtaaccatt	ataaatatgt	28680
ccacagaatt	aaagaaaaagc	gtgattaaaa	aaggaaaagga	aagtatcata	acaatattac	28740
tccaaataga	gaatatcaat	aaaggcatag	aaattataaa	atataatata	atggaaattc	28800
cgaggttgaa	aggtagaata	actaaaattt	aaaattcact	agagaagggt	caacactata	28860
tttgaactgg	cagaagaaaa	atttagtgag	acaaatatac	ttcaatagac	attattcaaa	28920
tgaaaaataa	aaagaaaaaa	gaatgaagaa	aaataaacag	aatctcagca	aatgtgggca	28980
caccattaat	cacattaaca	tatgcatact	gagagctacc	gaagcagatg	agaaagagga	29040
agaaaaaata	ttcaaattgat	ggccagtaac	ttcttagatt	tttgttttaa	agcaataacc	29100
tatacaatca	agaaactcaa	tgaattccaa	gtaggataaa	tacaaaaaga	accacaaaca	29160
gatacaccat	ggtaaaaaatg	ctgtaagtca	aaaacagaga	aaatattgaa	agcagctaga	29220
ggaaaactta	taagagaacc	tcacttacaa	aagaacatca	cttataaaaag	aaccacaata	29280
atagaaacag	ttgacctctc	atcagaaaca	atgaatgata	acatatattga	agtgtctcaa	29340
gaaaaaaaat	atatacgcac	atatacgaca	aagctgtctt	tcaaaaatat	acatccaaaa	29400
ggattgaaac	cagggtcttg	aagagttatt	tgtacatcca	tgttcatagc	agcattattc	29460
acaatagcca	aaaggtagaa	gcaacccaag	ggtccatcga	caaataaata	aatgtgggta	29520
tatgtatata	caatggaatt	tattcagtat	taaaaaggaa	tgaaattctg	acacatgcta	29580
caacatggct	aaaccttgag	aacactatgc	taagtgaatt	aagccagcca	caaaaggaca	29640
aataccatat	tacttcactt	gtatgaaata	cctagggtag	tcaaattcag	agatagaaag	29700
taaaacagtg	gttgccaagg	gctgaggggag	ggagtaacgt	ggagttattg	ttgaatgggt	29760
acagaatttc	agttttgcaa	gataaaaaaga	gttctggaga	cagatgggtg	tgaggggtgg	29820
acaacaatac	aatataactt	tatactactg	aacagtatac	ttaaaaatga	ttaacatggt	29880
gaaacccctg	ctctactaaa	aatacaaaaa	aattagctgg	gtgtggtggc	gggcacctgt	29940
aatcccagct	acttgggagg	ctgaggcgagc	agaattgctt	gaaaccagaa	ggcggagggt	30000
gcagtgagct	gagattgctc	caccgcactc	tagcctgggc	aataagagca	aaactccgtc	30060
tcaaaaaata	aaaaataaaa	aaaatttaaa	aatgattaa	caggaggcca	ggcacgggtg	30120
ctcacaccta	taatgccagc	actttgggag	gccgaggcag	gcgatcactt	gagaccagga	30180
gttttgagacc	agcctggcca	acatggcaaa	accctgtctc	tgctaaaaat	acaaaaatta	30240
gccaggcatg	gtggcatata	cttataatcc	cagctactgg	tgagactgag	acacgagaat	30300
tgcttgaacc	caggaggcag	agattgcagt	gagtcgagat	cgcgccactg	aattccagcc	30360
tgggcgacag	agcaagattc	tgtctcgaaa	aaacaaaaac	aaaaacaaaa	agcaaaaacca	30420
aaaaataatt	aagcaggaaa	cgagattgct	gctgaggagg	agaaagatgt	gcaggaccac	30480
ggctcatgag	agcacaacaa	ttttcaaaaa	atgtttaatg	attaaaaatg	ttaattttat	30540
atgtatctta	ccacaaaaaa	aagggtctgg	gggcaggaaa	tgaagggtgaa	ataaagacat	30600
cccagagaaa	caaaagtaga	gaatttggtg	ccttagaaga	aacaccacag	gaagttcttc	30660
aggctgaaaa	caagtgaccc	cagagggtaa	tctgaattct	cacagaaaat	tgaagcatag	30720
cagtaagggt	tattctgtaa	ctatgacact	aacaatgcat	attttttcct	ttcttctctg	30780

aaatgattta	aaaagcaatt	gcataaaaata	ttatatataa	agcctattgt	tgaacctata	30840
acatatatag	aaatatactt	gtaatatatt	tgcaataaac	tgcaaaaaag	agagttggaa	30900
caaagctggt	actaggctaa	agaaattact	acagatagta	aagtaatatata	acaggggaact	30960
taaaaataaa	attttaaaaa	atttaaaaaat	aataattaca	acaataatat	gggttgggttt	31020
gtaatatata	tagacataat	acaaaaaatac	cacaaaaagg	gaagaagaca	atagaactac	31080
ataggaataa	catttttggt	tctaactaga	attaaattat	aaatatgaag	tatatcttgg	31140
taagttaaga	cacacatggt	aaaccctaga	tactaaaaag	taactcacat	aaatacagta	31200
aaaaaataaa	taaaataaatt	aaaatgtttg	tattagtttc	ctcaggggtac	agtaacaaac	31260
taccacaaat	tgagtgggctt	aacacaaactt	aaatgtattt	tctcccaggt	ctggagggcta	31320
aacacctgca	atcaagggtga	gtacaggggcc	atgctccctg	tgaaggctct	aggaaagaat	31380
cctcccttgt	ctcttccagc	ttccagtgggt	tctcagtaac	cctaagtgct	ccttggccttg	31440
tagctatata	attcctagca	accagaaaaga	agaaaataat	aaagattatg	gcaaaaaata	31500
atgaaatcaa	aaggagaaaa	atggaaaaaaa	ataaataaaa	ccaaaagcta	gttcttttgaa	31560
aagatcaacc	aagttaacaa	acctttttaac	tagactgaca	aaaaggagggt	aagactcaaa	31620
ttactagaat	cagaaataaa	agagggggaca	ttactaatga	gggattagaa	aagaatacta	31680
cgaacaaatg	tgtgccaaca	aattagaaaaa	cttagatgaa	atggacaggt	tcctaggaca	31740
acatcaacta	ccaaaatttta	ctcaagaaga	aagagacaat	ttgaatgagc	tataacaagg	31800
gaagagactg	aattgacaac	caagaaacta	tccacaaaga	aaatcccagg	cccagaagat	31860
ttcactgtga	aattcttttca	aacttataaaa	tataaattaa	catcagttct	tcacaaactc	31920
ctccaaaaaa	aagaacagat	ctctattttac	aggcgatagc	atcttttagaa	aatcctaagg	31980
gaactactaa	gacactatga	taactgataa	acaagttcag	caaggctgca	ggatagaaaa	32040
ccaatatata	aaaatctatt	atattttctat	acacttgcag	tgaacaaccc	aaaaatgaga	32100
ttaagaaaat	aattcaattt	acaataacat	caaaaagaat	aaaaacactc	aaaaataaat	32160
ttattcaagt	aagtgcaaaa	cttatactct	agaagctaca	aaacactgtt	aaaagaaatt	32220
aaaggtttac	gaaaatgaaa	aactatccca	tgttctagga	tcaaaagact	tattactggc	32280
aatgctctcc	aaattgatct	ataaattcaa	caaaatcctt	atcaaaatcc	cagatgaggc	32340
tgggggtggc	ggttcatgcc	tgtaatccca	gcactttggg	aggctgaggc	acgcagatta	32400
cctgaggtcg	ggagctcgag	atcagcctga	ccaacatgga	gaaaccctat	ctcttctaaa	32460
aatacaaaa	tagtcaggcg	tggtggcaca	tgccataat	cccagctact	cgggaagctg	32520
aggcaggaga	atcgcttgaa	cccaggaggc	agaggttgca	gtgagccaag	atcggtccat	32580
tgactccag	cctgggcaac	aagagcaaaa	ttccatctca	aaaaaaaaaa	aaaaaaaaatc	32640
ccagatgact	tactgttgga	aattgaaaag	attattctaa	aatccacatg	gaattgcaag	32700
accttgagaa	tagccaaaac	aaacttgaaa	aacacgaaca	aaatatagga	tgactcactt	32760
gccaattgca	aatggttacga	cacagcaaca	gtaaatcaaga	ctgtgtggta	ctggcaaaag	32820
acacatacat	acatacatat	caatggaata	taattgagag	tacagaaaca	agcctaaaca	32880
tctatggtaa	gtgcttttct	atttttttct	tttttttttt	cttttttgta	gagatagaat	32940
ctcaccatgt	tgcccagggt	ggtcttcaac	ttctgggctc	aagcaatcct	cccactgtgg	33000
cctcccaaag	tgctgggata	actggcatga	gccaccacat	ccagcccaga	tgattttcaa	33060
aaaagtcaac	aagaccattc	ttttcaacaa	ataggcttgg	gatgatcaga	tagtcacatg	33120
aaaaaaaaaa	tgaagtggga	ccctccatca	cactaaagtg	ctgcgattat	aggcatcagc	33180
caccacatcc	agcccaaagt	attttcaaaa	aggtaacaa	gaccattctt	ttcaacaaat	33240
aggctctggga	taatcagata	gtcacatgaa	aaaaaaaaatg	aagttggacc	ctccatcaca	33300
ccatatgcaa	aaattaatc	aaaaatgaat	tgatgactta	aacgtaagag	ttacgactgt	33360
aaaactctta	gaaggaataa	tacttaagac	gtttaggttg	gtaggttttg	acaaagaatt	33420
cttagacatg	acacaaaaag	catgaccaac	taaggtaaaa	tagggtaaat	tgtacctacc	33480
aaaatgaaaa	acctttgtgc	tggaaaggac	accatcaaga	aatggaaagc	caaaatagcc	33540
aaggcaatat	taagcaaaaa	gaacaaagct	ggaggcatca	tactacctga	cttcaaagca	33600
acagtaacca	aaacagcatg	gtactagtag	aaaaacagac	acatagacca	atggaacaga	33660
ataaagaacc	caaaaataaa	tccacatatt	tatagtcaac	tgatttttga	caatgacacc	33720
ccttcaataa	atgatactag	gaaaactgga	tatcgatatg	cagaagaata	aaactagacc	33780
cctatctctc	accatataga	aaaatcaact	cagactgaat	taaagacttg	aatgtgaagac	33840
ccaaaactat	aaaactactg	gtagaaaaca	taaggaaaaa	cgcttcagga	cattggtcca	33900
ggcaaatgat	ttatggctaa	aacctcaaaa	acacaggcaa	caaaaacaaa	aatggaaaaa	33960
tagcacttta	ttaaactaaa	aagctcctgc	acagcaaaag	aaacaacaga	atgaaaagac	34020
aacctgtaga	atgggagaaa	atatttgcaa	actatccatc	catcaaggga	ctagtatcca	34080
gaacacacaa	gtgactaaaa	caactcaaca	gcaaaaaagc	aaataatctg	gttttttatat	34140
ggggcaaaag	tctgataaaa	cattctcaaa	ggaagacata	caaatgtcac	tatcattctg	34200
ccagtagcac	actgttgtga	ttacttgtta	gtgtataaat	ttttaaatg	ggaagtgtga	34260
gtcatcctac	actttgttct	tgtttttcaa	gtttgttttg	gctattctgg	gagccttgca	34320
agtataaaat	agccaacaag	tatgaaaaaa	tgctcaccat	cactaatcat	cagagaaata	34380
aaaatcaaga	ccactatgag	atatcctctc	actccagtta	gaatggctac	tatcaaaaag	34440
acaaaatata	atggatgctg	gcaaagattt	ggagaaaagg	gaactcctat	acactgtggg	34500
tagggatgca	aattggtaat	ggccattatg	gaaaataata	ctgaggtttt	tcaaaaact	34560
gaaaatagaa	ctaccatatg	atccagcaac	cctactactg	ggtattttatc	caaaggaaag	34620
aagtcagtat	actgaagaaa	tatatgcact	ctcatgttaa	ttgcaacact	gttcacaaca	34680
gccaagacag	ggaataaatc	taaatgtgca	tcaacagatg	aatggataaa	gaaaatgtgg	34740
catatacact	caatagaata	ctattcagcc	attaaagaag	aatgaaatcc	tgtcatccca	34800

gcaacatgga	tgaacctgga	ggacattata	tttaatgaaa	taagttaaagc	acaaaaagat	34860
aaacagtaca	tggtctcact	cagacatggg	tgctaaaaag	aaaatggggg	cacagaatta	34920
gaaggggagg	cttgggaaaa	gttaatggat	aaaaatttac	agctatgtaa	gaagaataag	34980
ttttagtgtt	ctatagaact	gtagggcgag	tatagttacc	aataacttat	tgtacatggt	35040
caaaaagcta	gaagagattt	tggatgttcc	cagcacaaaag	gaatgataaa	tgtttgtgat	35100
gatggatatc	ctaattaccc	tgattcaatc	attacacatt	gcatacatgt	atcaaatatt	35160
cactctgtac	ctcataaata	tgtataatta	ttacgtcaac	aaaaaaagga	aaaaaaagaa	35220
aattaagaca	acccacataa	tggagaagaa	aaaatatctg	caaattatat	atatctgata	35280
aatattttaat	atttataata	tataaagaac	tcctacaact	caagaacaac	aacaaaacaa	35340
cccaattcaa	aaatgggtaa	aagccttgaa	tatacactta	tctaaagact	atatacaatt	35400
ggccaataaaa	gacacgaaaa	gatgctcaac	atcactagtc	atcagggaaa	tataaatcaa	35460
aaccacaatg	tagaatgtag	acaccacttc	atatgcacta	ggatggctag	aataaaaagg	35520
taataacaaa	tggtggtaag	gatgtgaaaa	aatcagaaac	ctcattcgct	gctgttggga	35580
atgtaaagtg	atgcagccac	tttggaaaaac	agtctggcag	ctcctcaaat	tattaaatac	35640
agagttaccg	tatgacccag	gaatattcct	cctgggtcta	taacccaaaa	aatgaaaaca	35700
tatatccaca	taaaaacttg	tacatgggca	tttatagcaa	cattattcat	aacagcaaaag	35760
gtggtaagaa	cccatatgcc	catcatctga	tgaacaggta	aataacatgc	ggtattatcc	35820
atacactaga	atattatctg	cccatacaag	gagtgacatc	cagctacatg	ctacaaggat	35880
gaatctcggg	aaccttatgc	taagtgaag	aagccagtcg	caaatgacca	cagattatga	35940
ttccatgcat	cggaaatgac	cagaataggg	aaatctatag	agacagaaaag	tagatttagtg	36000
gttgggtggg	ctgtgggagg	caggtagtag	actactttcc	cagaactact	ggaacaaaagt	36060
accacaaact	ggggagctta	aacatagaaa	ttgatttcc	cacagttctg	gagactagga	36120
ctctgagatc	aaggtgtcag	cagagctggg	tctttctgag	ggccctgagg	caaggctctg	36180
tcccaggcct	ctctccttgg	ctggcagggtg	gccatcttct	ccctgcgtct	tcacatcatc	36240
ttttctctgt	gtgtgcccct	gtccaaattt	tgtattggctc	attctgggtc	atggccaatt	36300
gctatgcaca	aagtgaagtc	tacttccaaa	agaagggaag	agggaaacact	gactaggcta	36360
aacttatagt	catttttaatg	tccgcttttc	ctatgagatt	gtgaacacac	agaagtaggg	36420
tttttatcta	cattgtgcaa	agtttaataa	gaaaaataga	attcaagaga	agcagttcaa	36480
tagcaggaat	ttaatatggg	aactaattac	aaggtttagg	gcaggactaa	aaagccagtt	36540
gggatgggtg	gccaaccag	agattagcaa	cagtgggacc	ccatctacct	accacccatg	36600
aagctggaag	gataaaggag	gggctattat	cagagtcac	aagccagtg	cagagtcctt	36660
ggctggagct	gggaccaccc	tagagacact	gtgcaaagca	gaaaacaagg	gggaaaaacc	36720
ctgacttctc	ccttccctcc	acctttcaat	ctcccactag	tgcttccctac	tagccatact	36780
tggccagaga	cagtgaacaag	gaacactgca	aaatgaagtt	tgtagggaatc	atctccctct	36840
gagacagaga	aatatggaag	ggtagaaaat	gaatcagagg	ataaagagaa	aaaaccctga	36900
gtactatctt	atttatcttt	gtatctccag	tgcctaattct	gtctctcaaa	aaaggaaagc	36960
aattgagaga	aactgaaaac	tccaattgaa	atgaaagaat	ggagaattac	tggactagaa	37020
gagaagagaa	aaatattattc	cgcataagat	aaacaagaat	ggattcacaa	aggacgtgat	37080
gaatgaaaag	ctataattcag	caaagatttg	ccagagaaat	taaaaagtgg	taaaactcagc	37140
cacgctgtac	aacctgaagg	cacaatgcat	gaaaacggtt	caagaaatga	caagatttga	37200
agtcaaattc	taagtgcctt	tccagaatct	ctcaagacga	ttatatagct	accccatctt	37260
attaaataaa	atggaaactt	actaaacttt	ccccttgat	taaactaaca	tatgtcctaa	37320
tagcaaacga	ttctggaatt	cctagagtaa	aatatatctt	gtcaaagtgt	attgtctctt	37380
taatattctg	ctgacctcct	tttgctattt	aggatatttg	tatacacatc	acacgtctaat	37440
ttgggtctata	gtttacatct	acgggcttat	actgttcttt	ttttcatttt	tttaaaattt	37500
ccaaccccca	gtatccatat	actgctctct	atcaggggta	ttttaacttt	gtaaaatcag	37560
ctgagatgct	ttccatgttt	ttttttttta	ttttctgcca	catttgaata	gcataggagt	37620
taccaccatc	aaccttggat	tatttaagca	ttcacgattc	cacgtgtgga	tttttttttc	37680
agagtctttc	ttgtcattcc	tgctatcagc	acagaaccca	atctcagctt	tccagctata	37740
ctctcacccc	atggaatttg	cagatgaagt	tcaaaaggac	ctttgcatta	tcctgcctcg	37800
ccctcttccc	ccttcattta	gacatcacct	tcttctagaa	cgtcttaoct	gacatgccct	37860
gctcccaacc	cctgctgccc	aattgtgtgc	tctcccgtgt	cctggcctgc	catcctcttt	37920
agtaattgcc	tgttccctca	tctgtctccc	caccagacac	ttaagctgaa	tagactggat	37980
ttgtgtcttg	tccatcacta	taatctcagc	acctagtacc	tagtaggtac	ttaccatgta	38040
ttcattagca	aaatgttatg	tataaccttg	caccttaaaa	acaagagaa	gaagacaaaa	38100
ttaagtctta	agactatggg	ttagaacatg	gatcagaaac	tacagtctgc	agcccaaatc	38160
cagaccaaat	gaagatagca	tgttcattta	catacaacct	atagcagctt	tcacactaca	38220
ggagcagagc	taagtagttc	caagggaaaca	cacggccctg	caaagcctaa	aatattttact	38280
ctatagctct	tcacagaaaa	agttttcaga	tccctcggtt	agaactcttg	ttcatatgca	38340
atttcaacta	accatagttt	tttgggtttg	tttgggtttt	tttggcaaaa	aggaatgagc	38400
cgatccagaa	aaggttgaaa	agaatgaatc	attactgctg	aaagaatgtg	cacacagctc	38460
tactagtattc	tgtctgccatg	ctgacaccca	tccaatagtg	tcattgagatg	cagcagctac	38520
gtactgtgttc	tcaatgccga	gtccacccca	tccataacca	tgtccaagca	atcttgggaa	38580
catcatcacc	atgcttggtt	atccttaagg	tattgcctca	catacagcag	tggctgggtca	38640
taaagtcaaa	tgacactagt	ggccaggagg	tcaagagaat	gagtgaggac	aggtgggtag	38700
gcagcccagg	ccctagcaac	agcaggagct	caccctcag	tcactctagc	caggactgaa	38760
atacttttca	ccctttcaag	agagactagg	aatctggatt	tttatgtgaa	atatcttgat	38820

tactaaatgt	tgtcaacaga	catgtcaaaa	ggtaaaaacta	agtaagttca	tggggcagat	38880
tgactattca	ggttatagaa	ttaaggattc	ttatccaaca	cagataccaa	ccaaaaagct	38940
gacgtataac	atattaggag	aaactatgtg	cactgtcgaa	acatcaacaa	ggggcctaatg	39000
tctaaaatag	tctatattgg	attccagttg	aaacatgggg	aaaggacatg	aacaggcaac	39060
ttatgtcaat	ggaaactcaa	aaagataaca	agcatatata	aaagcattct	caaattcagt	39120
agtaaacaga	cagatgcaaa	taaaaagagg	gaaactgctg	ccgggcacag	tggctcacac	39180
ctgtaatccc	agcactttgg	gaggccgagg	cgggcggaatc	atgaagtcag	gagatcgaga	39240
ccatcctggc	taacatgggtg	aaaccccgctc	tctactgaaa	acacaaaaaa	ttagccaggc	39300
gtagtggtgg	gcaccagtag	tcccagctac	tcaggagggtt	gaggcaggag	aatggcatga	39360
accaggagg	cggagattgc	agtgagccga	gaccatgcca	ctgcactcca	gcctgggcga	39420
ctgagtgaaa	ctccatctca	aaaaatataa	taataattat	aattataata	ataataaata	39480
gtaataaaat	aaaaagagag	agactgctaa	agtctagaaa	gttgaatgat	gccaagcgca	39540
tgcaaagatc	agggccttgg	gatggccggg	tgcagtggct	cacgcctgta	atcccaccac	39600
tttgggaggc	caaggcgggg	ggatcatgag	gtcaagagat	caagaccatc	ctggccgaca	39660
cagtgaaaac	cggctctctac	taaaagtaca	aaaaaatata	tatatatata	tatatatata	39720
tattatatat	atatatatca	gagccttggg	aatccttgtg	tgctgctggg	gaaggtagtg	39780
gtgcagccac	ccttgacagc	aatctggcag	tacttgggtta	tattaagtat	aggcacacac	39840
cacgaccagg	cagtcctact	cctgggtcta	aatcccaaag	aattctcaca	caagtccata	39900
aggagacatg	tacgaggctc	attcagcatt	actgggagtg	ggaatcaacc	tgggtgtcca	39960
tctacaggag	acgagatgga	caaaatgtgg	tggatattaa	gaccagaatc	accaagtaac	40020
agagatgggt	ggttgagtgc	aatcctaaga	tacagaataa	aggctagaac	atgatgccat	40080
tcatgtaaat	taaaaataga	tgcacacaaa	gcagtatacg	cgtgaccctt	gaatagcaca	40140
ggtttgaact	gcctgtgtcc	acttacatgt	ggattttctt	ccacttctgc	tacccccaa	40200
acagcaagac	caacccctct	tcttctctct	ccccctcagc	ctactcaaca	tgaagatgac	40260
aaggtagaag	acttttatga	taatccaatt	ccaaggaact	aatgaaaagt	atattttctc	40320
ttccttatga	ttttctttat	ctctagctta	cattattcta	agaatatggt	acataataca	40380
catcacacgc	aaaataaatg	ttaattgact	gtttatatta	tgggtaaggc	ttccactcaa	40440
cagtaggctg	tcagtagtta	agttttggga	gtcaaaagtt	atacacagat	tttcaactgt	40500
gcaggcaatc	agttccccctg	acccccctat	tggtcacggg	tcaactgtat	atacacaaaa	40560
gtatttatatg	aacctcatta	gaatagctgt	ctatagggag	aagagaatga	gagtgggata	40620
aaacggaatg	aacaaataaa	ccaacaaatg	cattaacaag	caaaacaaca	gaggggcttg	40680
catgggccag	tgatgataaa	gggctaagaa	tgagaatata	attaattcaa	ttcctcacac	40740
ctgagggtcta	aaaccaagga	aaggggagggc	caggcggtgga	ggctcacgcc	tgtaatccca	40800
gcacttttggg	aggctgaggc	gggcggtatca	caagattagg	agtttgagat	cagcctggcc	40860
aacacagtga	aagcccatct	ctacaaaaaa	tacaagaatt	accaggtgt	gggtggcat	40920
gcctgtagtt	agctactctg	gaggctgagg	caggagaatc	acttgaaccc	aggaggcgga	40980
ggttgccagg	agccgagatc	acaccattgc	actccagcct	gggtgacaga	gtaagactct	41040
gtctcaaaaa	aataaaaaaa	ataaaaaaac	agagaaaggg	aggaaaactag	atccaggctg	41100
actagatata	gccttttagag	ttagaaaaga	tgatttgaca	atctaagccc	acactcagat	41160
tgaatgaaat	tgaaaagcct	ttcaaaacta	aacatttaat	tacaccatct	gctgcagaca	41220
gaactcagac	aactcaaaca	ggtaatgtca	gcgtgggtgtt	ttatatcacc	accctcaaca	41280
cagaataaaa	atcagctgca	tgtgaagcag	tgactagaat	gaagaaaagg	ctgcttctta	41340
cttccttcta	gtggttcttt	ccgaaaacat	taataggcac	cagctctatg	catgtcacc	41400
ctgcaggaga	tatgggggat	ataactatga	cttactgttc	attcctcaag	gaattcccaa	41460
tcttgtggaa	gattatcac	aatgaggcaa	caaaaactat	ccaataaaaac	cacggaaaag	41520
aagccagtga	caaagaagcc	agtgatgaaa	ggcctgtgta	gcagagctga	tggccatttg	41580
gggaagaaag	accaacatgg	atgggggtga	tcagggtggc	tccgtgggaa	agctggaaga	41640
gaagtggcag	atctctgagc	tggatgatgg	gccactacca	tctgtatatg	gctaattaaa	41700
gacctgtgt	ggatttttta	ttcagctctt	tcgtgtcatt	cctgctatca	gcacagaacc	41760
caatctcaac	tttccagcta	tattgagcta	aacttctcac	ctcatggaat	ttgcagataa	41820
agttcaaaa	gatccttgcc	ttttcaaaa	aattttgaat	ggttgagtag	tccctctgtg	41880
ctctctcact	gacaccctct	caaggctgct	gagcacgtgc	catgctatgg	ctttctccaa	41940
catcaggaaa	tgtttctccac	tcagtttcac	cttaatacaa	atgtgttctc	tcttcagaga	42000
aggcaaaaaa	attcatgacc	atctgactgg	gagaagtcac	ttctaggtaa	agtggtccatc	42060
tttttctgag	gaacacagga	ggaaaatctt	acagaaaaga	gttaacacag	caggcctaag	42120
actgcttttt	aaaataaata	aataaataaa	taaataaata	aataaataaa	taaataaata	42180
aataaatgaa	tgatagggtc	ttctgtattg	gccaggctag	tctcaaattc	ctggcttcaa	42240
gagatcctcc	caccttgggtc	tcccacagtg	ttgggattat	agacatgagc	cattgtgctt	42300
ggccaagac	tgttattctt	aaaaagcttc	ataaaaagca	tggttaatcc	ttgggtggca	42360
cctgggaact	tagatttcag	aagggttccc	accatccaac	ctggaaagag	ggactcactg	42420
tgccataaatt	attgtgtggt	ttatgctgaa	ctcctgcttt	tcttcaggta	gcgtggaatg	42480
tggtagtgtc	tgggcaaaag	gggcctgcac	gaccagcccc	caataaaaaac	cctgggtggt	42540
gggtctctag	tggtattccc	tggtagacag	catttccatc	gcgttgtcac	agctccttcc	42600
tgggggagtt	aagcacatac	atcctgtgtg	actgcactgg	gagaggatgc	ttggaagctt	42660
gtgcctggct	tcctttggac	ttggcccat	gcacctttcc	ctttgctgat	tgtgctttgt	42720
atcctttcac	tgtaataaat	tacagccgtg	agtacaccac	atgctgagtc	ttccaagtga	42780
accaccagat	ctgagcatgg	tcctgggggc	ccccaacaca	gaaataaatt	ataaaagacc	42840

aaggactggg	catggtggcc	catgccggta	atctcagcgc	tttgggaggc	cgaggcagga	42900
ggaccagtta	agcccaaaag	ttcaaaagtta	cagtgcaccta	tgactgcgcc	aatgcactct	42960
aacctgggag	acagagcaag	accctgtccc	caaaacaata	aactaaacac	atacttctgc	43020
cttccaagtg	tcttaaaatt	caatggaatg	gtagaacat	ttttaaaaca	ctaaatcaaa	43080
agaaacctgg	aaaacaagag	tgccgatggc	caactaaaat	gtctaggaaa	tttctgaaaa	43140
gtaaaaagta	ctcagaacca	gattacctga	gcaaaccata	gccaataca	agcttgggag	43200
gaggtgttta	tgcaagaagga	aatggtaaca	ggtttccagg	aacagacttg	taacagcaga	43260
tagaacagca	gaggtagaac	ctgacaaggt	gattacctgg	ggaactgcag	tctgaatgac	43320
caggactgtt	ggacccttcc	cctcacatgg	aatacacacg	ccactcagca	gcacaccaca	43380
gctcttcaac	aatcacagga	ggcacgctac	gcctagtaag	acaggaaaaa	aggaattctc	43440
aaacttcgaa	gatgaacaca	taaagaatca	ccaagttttt	attcagtatg	atgaaacagg	43500
gacactgaat	caacagaaca	caaacccaag	caaagataat	tactagagca	catagaagaa	43560
attattagat	attcttggga	agaccctaagg	ggacattata	aagagcaagc	agttggtatg	43620
tgacgatctt	tgtgatatac	caagaaataa	aaacacagga	tgaagaccag	atagagaata	43680
atgctactat	ttgtgcaaaa	aaggagaaat	ggagaactctg	attcatattt	gcttgtattt	43740
gcatgaagaa	actttggaag	gtacataagt	aactaacaac	aatggttacc	tacttghtaag	43800
gcgagagaag	taagaggaca	ggaatggtgg	gaacaccttt	tgtgtccgga	attggtgggt	43860
tcttgggtctg	acttggagaa	tgaagccgtg	gaccctcgcg	gtgagcgtaa	cagttcttaa	43920
aggcgggtgtg	tctggagttt	gttccttctg	atgtttggat	gtgttcggag	tttcttcctt	43980
ctgggtgggtt	cgtagtctcg	ctgactcagg	agtgaagctg	cagaccttcg	cggcgagtgt	44040
tacagctctt	aaggggcgcg	atctagagtt	gttcgttctt	cctggtgagt	tcgtggtctc	44100
gctagcttca	ggagtgaagc	tgacagacct	cgaggtgtgt	gttgcagctc	atatagacag	44160
tgacagacca	aagagtgagc	agtaataaga	acgcattcca	aacatcaaaa	ggacaaacct	44220
tcagcagcgc	ggaatgcgac	cgcagcacgt	taccactctt	ggctcgggca	gcctgctttt	44280
attctcttat	ctggccacac	ccatatcctg	ctgattggct	cattttacag	agagccgact	44340
gctccatttt	acagagaacc	gattggtcca	tttttcagag	agctgattgg	tccattttga	44400
cagagtgtctg	attggtgcgt	ttacaatccc	tgagctagac	acagggtgct	gactggtgta	44460
tttacaatcc	cttagctaga	cataaagggt	ctcaagtccc	caccagactc	aggagcccag	44520
ctggcttccac	ccagtggatc	cggcatcagt	gccacaggtg	gagctgcctg	ccagtcgccg	44580
gccctgcgcc	cgcactcctc	agccctctgg	tggtcgatgg	gactgggcgc	cgtggagcag	44640
ggggtggtgc	tgtcagggag	gctcgggccg	cacaggagcc	caggaggtgg	gggtggctca	44700
ggcatggcgg	gccgcaggtc	atgagcgctg	ccccgcaggg	aggcagctaa	ggcccagcga	44760
gaaatcgggc	acagcagctg	ctggcccagg	tgctaagccc	ctcactgcct	ggggccgctg	44820
gggcgggctg	gccggccgct	cccagtgcgg	ggcccgcacc	gccacgcgcc	accgggaagt	44880
cacgctggcc	cgcaagcacc	gcgtacagcc	cgggttcccg	ccgcgcctc	tccctccaca	44940
cctccctgca	aagctgaggg	agctggctcc	agccttggcc	agcccagaaa	ggggctccca	45000
cagtgcagcg	gtgggctgaa	gggtcctcca	agcgcggcca	gagtgggcac	taaggctgag	45060
gaggcaccga	gagcgagcga	ggactgccag	cacgctgtca	cctctcactt	tcattttatgc	45120
ctttttaata	cagtgctggt	ttgaacactg	attatcttac	ctattttttt	tttttttttt	45180
tgagatggag	tcgctctctg	tcgcccagac	tggagtgcag	tgggtgccatc	ctggctcact	45240
gcaagctccg	cctcccgggt	tcacaccatt	ctcctgcctc	aacctcctga	gtagctggga	45300
ctacaggcaa	tcgccaccac	gcccagctaa	ttttttattt	tatttttttt	ttagtagaag	45360
cggagtttca	ccatgttagc	cagatggtct	caatctcctg	acctcgtgat	ccatccgcct	45420
cggcttccca	aagtgcctgg	attacagacg	tgagccactg	cgccctgcct	atcttaccta	45480
tttcaaaagt	taaactttta	gaagtagaaa	cccgtggcca	ggcgtgggtg	ctcacgcctg	45540
taaccccagc	actttgggag	gccgaggcgg	gcggatcacg	aggtcaggag	atcgagatca	45600
tcttggttaa	cacagtgaaa	ccccgtcgct	actaaaaata	caaaaaatta	gccgggcgtg	45660
tggttgggca	ccggcagtc	tcgctactgg	ggaggtgcag	gcaggagaat	ggcgtgaacc	45720
tgggaggcag	agcttgcaat	gagccgagat	agtgccattg	ccttccagcc	tgggtgacag	45780
agcgagactc	cacctcaaaa	aaaaaaaaaa	aaaatagaga	cccgaaaagt	taaaaaatag	45840
ataatcaata	tttaaaaaca	ctcaagagat	gggctaagaa	gttgacggaa	caaatctaaa	45900
tattagattg	gtgacctgca	aaaccagccc	aaggaacatc	ccagaatgca	gcccataaag	45960
ataaagagag	catttcgcgt	gggcacagtg	gtatggcagg	ggaattgcct	gagtccaaga	46020
gttgccagtc	acattgaacc	acaccattgc	actccaggcc	tgggcaacac	agcaatactc	46080
tgtctcaaaa	aaaaaaaaaa	ttaaattaaa	aaagacagaa	tatttgagag	aaaaaaatgc	46140
ttattttcaag	aaacatgaaa	gataaatcaa	gatattctaa	ttcccaagta	agaataattc	46200
cagaagcaga	aaatagaata	gaggcaagga	aacactcaaa	acttctccag	tgccatagaa	46260
atgtgtatta	atctttagaa	tgaaacggac	taccaaatgc	tgagcaggaa	gaacaaaaga	46320
gatccactct	taagccagtg	tgggtgccaa	gcgcagtggc	tcatgcctgt	aatcccagca	46380
ctttgggagg	ccgaggcagg	tggatcacct	gaggtcagga	gtttgagatc	agtcaggcca	46440
acatggtgaa	accctgtctg	tactaaaaat	acaaacatta	gctgggtatg	gtggtgcaca	46500
tctgtaatcc	caactacttg	ggaggctaag	gcaggagaat	cacttgaaac	caggaggtgg	46560
agggtgtagt	catgccagat	catgccacac	tccagcctg	ggtgacagag	caagattcca	46620
tctcaaaaaa	aaaatccact	cctagacaaa	taatagttaa	attttagaac	accaaggaga	46680
aagaaaaaaa	attgtaaagc	ttcagagaaa	ataaacatta	actacaaaga	aacgagagtc	46740
agacgcgtgc	acttcttctt	agataccagc	agataaagca	atatctccaa	aattcagaag	46800
gttttaacgt	agaatcctat	accagtcaa	gaatattcac	atggaaaagt	gaaataaaaa	46860

acattgttta	aacatgcaag	ggttcagaaa	gtttaccatt	cacagaatcc	ctgaaaacaa	46920
aaccaaataa	tcacttaagg	actcattaag	aaaacaaatg	aaataaaaagc	accaatgatg	46980
agtaaataat	cagaaaaaatt	tacagttttac	ctaaataaact	gtttatgcat	aatgtatgaa	47040
aacccaaaaa	tttaatatgg	gacagaatta	aaatcatgat	aagattcttt	tttgctttac	47100
tcattggagag	ttcacataaa	cagattatct	tttaatagca	agagaaaaaa	atgttttagat	47160
atgtgtgaaa	aactaaaggg	acaaaaacag	tgcaaaattca	tttatcatca	ggaaaaatcca	47220
aattaaaacc	acagtattcca	ccagaataac	taaaaggtaa	aagacagaaa	ttaccaagag	47280
ttggcaagaa	tgtggagcaa	ccacatatac	ttctggggta	aataagttgg	tgcaaccggt	47340
actgaaaact	gtttgctagt	atctactaaa	accgagcaca	tgacacagact	acaaccaagc	47400
agttccactc	ccagatacac	actcaacaga	aatgcacaca	ctcactcaac	aaaagacgtg	47460
tactagagt	ttcatgtact	tactattcat	aatagtccaa	aaatgcaaac	aaccaactgc	47520
caatcaaagt	caaagtata	tctatattag	ggatatatac	aatggcata	acacagcaat	47580
gagaatgaaa	tgaaccagct	cggcacagt	gttcatgcct	gtaatctcag	cactttgggg	47640
gggtaaggca	ggcagatcac	ttgagggtcag	aaatttgaga	ctagcctggc	caacacgggt	47700
aaaacctgtc	cccactaaaa	acacaaaaat	tagccgggca	tagtggttgc	aggcctgtaa	47760
ttccagctac	tcgggaggct	gggttgggag	aatcgtttga	acccgaaaagc	cggaggctgc	47820
agtgaagcga	gatcgtgcca	ctgcactcca	gcctggacga	tagagcaaga	ctccgtctca	47880
aaaaaggaaa	tcaaaaatat	aaaataagat	gacaggaata	atccgcaaaa	gatcagtaat	47940
caaaaataat	ataaatgggc	taaagctacc	tattaaaaga	caaagatttc	acacccataa	48000
ggatagctac	tatcaaaaaa	agagagagaa	taacagatgt	tagcaaggat	gtatggaaac	48060
tgaaattctc	acgcattgct	ggtgagaata	taaaatgggt	cagcctctgc	ggaaaaact	48120
atgctgggtc	atcaaaaaat	taaaaataga	agtactactt	gatccaacaa	ttctacttct	48180
gggtatatac	ccaaataact	gaaagcaggg	tcttgaagag	atatttgtac	acccatgatc	48240
atggcagcat	tattcataat	agctatgat	tggaaaccaac	ataaatatcc	tttgataaat	48300
atatggataa	gcaaaaatgt	gtgtatacat	tcaatggaat	attaattagc	aataaaaaatg	48360
aagaaaattc	tgacacatgc	tacaacatgg	atgaaccttg	agggcattac	attaaatgaa	48420
ataagccagt	tataaaaaaga	caaatactat	atgaggtact	atattagata	ctcatgcaag	48480
gtacctaaaa	taggcaaatt	catagagaca	aaaagcagaa	tggtgggtgc	caggggctgc	48540
ggtaatggat	acagagcttc	aattttgtaa	gatgaaaaaa	ttctggagat	tggttgcata	48600
acaatgtgca	cacacttaac	actggggaac	tgtaaaactta	aaagtagtaa	atggtaaaaa	48660
taaaaataat	aaataataaa	ttttatgtta	ttttaccaca	atattttatta	aaagacaaag	48720
attaactaat	taaacaaaaat	ccagccataa	gctaattggt	agagtaacaa	ttaaagaaga	48780
cacagaaaaa	tgaaaaatcag	tgactagaaa	aagatattcc	atataaatgc	taacaaaaaag	48840
caagtacagc	aataataaga	gaatgaacaa	aaaaaaaatg	aaataagatg	gctcgtttat	48900
tcccaaaagg	tacaattcac	caagaagata	caagaattgt	gaacctttta	gcacataaaa	48960
cagcttcaaa	aatacaacat	ttaaagaaaa	atataatatta	aacatagaaa	tagtacaaaa	49020
accctacaa	gaatcataat	gggagtcctc	aatacaactc	tccatatcaa	caggtcaaac	49080
agagaaaaaa	aataagttaa	ggatgcagaa	aacctgaatt	accatcaata	aacttgagat	49140
taatatagaa	ctgtataccc	aataactaaa	gagttcaggg	aacagtcgtg	actgacgtg	49200
gactgcaaat	taattctgttc	ttaatctttg	tttttctttc	agcactgtgg	cagaatagag	49260
atcctaaaaa	ccttcagct	acaaaacatc	tttttaaaaa	tataaaaaaa	tacaaaaata	49320
actctgaaat	caatagaaga	cacatgggtga	aaccaaatt	ctagaataca	gggagaataa	49380
aggcattttc	agatattaca	aaaacagaaa	attgatcatt	gctgaagtaa	tttctaaaga	49440
atgtacttga	gggagaagaa	aaatgttcca	aagaaaagta	tctgtgatac	aagaagggaat	49500
ggaaaagtga	gaaatggtaa	acaggtagat	aaagctaata	aatggtgacc	tagaaaaata	49560
caaaaacaat	agcaataatg	tctcgttgga	aggggtgaag	taaaaataca	attaaggcca	49620
aatgtgaggt	aagtggaaatg	aaagaattag	aagtccttgc	cttggttcaca	ggactgatta	49680
aataaatgag	ccaggttttc	cattcaaaca	gttaaaactt	gaacaaaata	aactcaaatt	49740
aagtagaag	ataaaaaaca	gaaattaatg	tcatagaaaa	ataaaaaatc	aatagaatta	49800
atcaataaat	cctgggttaat	aaaagctggt	tctttgaaag	gattaataaa	ataatcatta	49860
agcaagtctg	atcaaaaaaa	aagagaaaaag	gtaccaaaaa	aagtactgta	tcagaaaagag	49920
aacatacaga	tacatacaga	tatgtaagag	tctgttttct	tacaccagaa	tactatatac	49980
aacattatgc	tagcatatat	taaatttcaa	taatgttaat	gattttctag	gaaaacagaa	50040
aatattaaat	ttactttgaa	gaaacagaaa	aactgagaaa	aataaatgat	catgaaaaaa	50100
atgaaaaggt	aattaaatac	tgatattaac	tgccataaca	acaccagcag	cagcccaggc	50160
agtctgcagt	caagttctgc	caaacttgag	ggaacagata	attcttctat	tccagagcat	50220
agaaaatgat	ggaaaagtctc	ccaattttaa	cagagaggac	agcctgatcc	ttggttatgaa	50280
cacagataaa	atagggggtta	actatatgcc	aaactcagat	accaaaccac	taaataagat	50340
gctagcttat	tgatgtgaac	aatccaaaag	tgcattttaa	attagcccag	ggtttttagag	50400
aaagaaaatc	tagcaatgtg	accaccactt	atggttaacaa	ttttaagacg	aaaatctaca	50460
tgatcatatc	aatgcatgct	acacaaaaagc	atttgggcaa	aaaacccaac	acccaccctt	50520
gactttttta	actcttagta	attaggcata	aacagaaatg	tacttaatgt	gatagaatac	50580
actcggtgaa	gatacagagg	gaatgctccc	taaaaccaag	ccaagacaa	agattcctat	50640
ttaacctcaa	tagtcaacac	tgacgcgaga	gtaatctatg	gaagacaagg	aaaaaagtaa	50700
aaacatgaga	gacatctgtt	gtttaacaga	caataagatc	acctacttgg	aagaggcaca	50760
cgaatcaagc	gaaaaactat	taaaactgag	acaggcttta	gtatggaggc	tcagcttcag	50820
ctgtagtttg	ggctacccaa	ttcaactcgc	ttgcttggag	agttaatcct	gcaaagctaa	50880

tttctgttga	ggtatttagga	ttgacaagcc	tgtgctcctc	cctcctcccc	catcttcaac	50940
actgaaataa	cacggtgttt	ggaactggat	aacagaatct	tccaaaaaca	aaaattgtcc	51000
tgaagggctg	acttgtgccc	ttactcaaaa	aacactttat	ctgctgcctg	cagctcctac	51060
agttgctggt	ggataagcct	gccaaccagc	tcggcgtaat	tcttcctgca	gaggggcaagg	51120
aagagcactt	tcacaggaaa	atTTTTttcc	gaactgtatg	ccgcttatta	cataaactta	51180
cgtgctggca	aatggagctc	cagcaaaaata	agatattcag	agtcaaaactt	ccttaggaaa	51240
aaaaaaaaaa	aaaagcaagc	acataaact	aatttccttg	catgggcact	ggggaaggag	51300
gtcgttactt	ccgcacgccc	gcaggtccgc	accaccggga	aaaccacggg	caccgcgcgc	51360
tgcccccg	ccttccagg	gcactgcgc	gcggcgcccc	agctgacccg	ggatgcgcag	51420
ccctagccct	ttccctgtca	ccccggccag	gaagggcgcg	gagcgcgcg	gacgcccagg	51480
gcgaagggt	tctcggtcct	ctgcaccacg	cagcaccccc	aaggcacaac	agggagggtg	51540
cgggaggctc	ccgagaccca	ggagccgggg	ccgggcgtgc	ccgcgcacct	gtcccactgc	51600
ggcgagggt	ggggtcgct	ccagggccgc	agctgtcggg	agccacctgg	ctctcagtcc	51660
cgggtccctg	cgacaacct	cggggcccgga	ggggaggagg	cggccacctg	ccgctgccac	51720
ctgcccac	ggtcccacg	ctccgggccc	ggcaggacag	gccaggacgt	ccctcctggg	51780
ctggggacag	gacacgcgac	gaggggaccc	gggccccgc	ggcgaagacg	cagcacgcct	51840
tcccagaaag	gcagtcccg	gccccacga	cggactgccg	gacccccgcg	ctcgcccgc	51900
catcccttca	gaccacgcgg	ctgaggcgca	aagagccggc	cggcgggcg	gctggcgggc	51960
cggctagtac	tcacccggcc	cgctggctca	gcgcgcgcgc	aaacccccagc	ggccacggct	52020
ccgggcgctc	actgatgctc	aggagaggga	cccgcgcctc	gccggcgctc	ccagccatcg	52080
cgcgcagggg	gcgagcgcg	gcccgcgggg	gctcgctggg	agatgtagta	cccggaccgc	52140
cgctgcgc	gtcctccttc	agccggcggc	cgggggcccc	ctctctccca	gctctcagt	52200
tctcatctcc	ctatctgctc	atcctctggt	cgcacataat	cgatgtttgg	gcgtcccaag	52260
ccagatgtgg	acccccattc	cgcactctac	actggaggtt	ttctaagggt	ggtgcccgga	52320
ccagcagctt	cagctcctc	tgggaaactg	agaaaatgca	gattctccgt	cccacccagc	52380
ctattcggtt	tttctgcac	taaaacctatg	aaggtggggc	ccagcagtc	acattctcgc	52440
aagcccgctca	agtgattctg	aggcgccctc	cagtttgaga	gctatgctca	cggcctcacc	52500
tccgccccgc	aaggagcccc	gtccttgccg	tggcgctagc	cgcacacgga	cacctcatcc	52560
tgcggggccc	gcccccccgc	tgcaccctca	ccgcccacgc	cctcctccgg	gatgcagcgg	52620
aggcgccctg	aagtcggcaa	ggccaacatc	cccctcagca	tcttccctac	cctcacggct	52680
cctcctccag	gggtgctca	tggccagggg	ttagaaagag	ccactgtgtt	tcttgacatg	52740
gaagtggcct	aagaccttaa	tgaaaactgc	aggagtggaa	tgacagaacc	tttggtcata	52800
cttgagggcg	tgaagctcaa	atgaggagga	aggaaaggat	ccagggagaa	taaccaaccc	52860
tggcaagttg	tggcgccccg	gtagagggcg	gagcctaggg	tagcggttct	cgaccagggc	52920
cgggtgtgcc	cctcctcgcc	gccccgcgta	catttgggga	ggtctggaga	catttttggg	52980
tgtcatgatg	cgggagttgc	tactgttgcc	taagtgggta	gacacgaggg	tgctcctcaa	53040
catcctacct	gaaggacagg	actgccccac	aaggaagaat	gatccggccc	caaataagaa	53100
accctgggct	ggtcagcaac	aaaccccttg	ttctgagaag	agaggaggaa	agaataaaa	53160
aagtgggggt	aagttttggt	ttggtagagg	aaacttgaag	acattttcac	tggaaaaggaa	53220
gagagggaaga	ggagggagat	gtctgtagg	acgagcaaac	cgggtgacag	ctgatttctc	53280
catattgaag	taatgagtc	tagttataat	aaattcctaa	taaaaaccca	gtttatccct	53340
gcaataaact	tgtctttttt	ttttaaatat	actgcttgat	tctgtttgct	aatattttat	53400
ttacaggctt	tgcattgata	tgcaaaaatg	agatgggcaa	taattttctt	tttgaatgct	53460
taattgttgt	tggtttcaga	atcaatgtta	tgctcacatc	ataaaaaatt	tggaaaccgag	53520
gcaggaggag	tgcttgaggc	cagaagttcg	agaccagtct	aggaaacaca	gtgagacccc	53580
cccattctcta	caaaaaaaaa	aaaagaaaaa	aaaatgggca	tgtttgcttt	ttccttttac	53640
tctgaacaat	ttaaggagca	ttaaaattat	ctattccttg	aggtttgatc	atttcccagt	53700
taaaaatggt	cctcccagcc	tgatgctttc	tttggggagg	gtaaatcttt	taaggctaga	53760
aaagtttctt	ctgtggcaat	tttatttatt	acattttaaa	aattattcta	gagttatttt	53820
tgataaagca	tgtatttctt	aaaacaaatt	atcctttttt	tccagatggt	caagtgtatt	53880
tgcataaagt	tgaggaaagt	agtcttttgt	gaatctttta	acttctccca	aatatcttat	53940
tttgtgtatt	tttgcttctt	tattttgtta	acttttaaaa	gtgtattttt	ttttcaaaga	54000
atcagctcct	aggtttatgt	ttttggttat	actggagctt	ttttctctct	cttttttaaaa	54060
tattttttct	cctttatttt	ttagacgtat	tttgatctaa	cgtaatcgga	agaaggtaaa	54120
ttagaatctt	ttgttactat	tgtgttttta	tttctcctta	tttctctgaa	gtcctgcttt	54180
ataaatagta	ccatgttatt	tgtgcataaa	tattcatttg	tcttatattc	ttgggaattt	54240
tcccacttca	tcataaaatg	accttccttg	tctcatttaa	tgtgttcaaa	ctttgccctg	54300
aatttaactt	tgtctgatat	tttaccatcc	tgctgaattt	tgtttgtttac	cccaaacaac	54360
ctttgctgtt	ttcgtctttt	ctgaaccctt	tatttttaggt	aatcccttga	attagagcac	54420
taagttttgc	tttgtgatta	aatctgaaaa	tctttatctt	gccatagatg	agttgagccc	54480
tattcatgtg	acagctatat	tatgctgttt	catagccctt	ttggctcctt	tttcaactct	54540
gcattgcata	ttttgtgttt	attgtgtttt	gtgtttcttc	tgataaattg	gaaggtttgt	54600
attttatttc	agggagttgc	cttataatca	tactccgcaa	tacacatcgt	cctcagtttc	54660
ttcagactgt	ctgttaactc	cctattctga	ataaaaaatga	cattgttaatt	tccctctttt	54720
ttcttttacc	cttttcttct	cctcacctaa	tgtaaattgat	tttatccttc	tttagtattt	54780
gcttttttaa	tttaactacat	ttataaatat	ctttatcact	tgatttttaa	atcagctttg	54840
aatgagatat	ttggattcct	agatataaaa	gatgttaatt	ataccatttc	cacgttagta	54900

ggtttataaa	atcatacatt	ctgctgtgta	accataatcc	cacgtttggt	ttagttccac	54960
tcctacagtt	aaaagattca	gaagtattat	taacagttat	tttgccatag	ttttttcccc	55020
aacccatttt	gtggaagtt	atgacccgtc	tttagtttct	taagaataat	ttatagagca	55080
gagtggtgtg	gctcacgttt	gtaatcccag	cactttggga	gacaagaggt	agaaggatcg	55140
cttgaagcca	gcagttcaag	accaccctga	gcaacatagt	gagacctgt	ctctacaaaa	55200
aatttttaaaa	tttagccaga	cgtagtggcg	tgtgccata	gtcccagcta	ctcaggaggc	55260
tgaggcaaga	ggattgctag	agcccagaag	tttagggctg	cagtgcctc	tgattgtgcc	55320
actgcacccc	agtctgggca	agaaagttag	aacctatctc	tttaaaataa	caataataac	55380
ttatgaaaat	tatatccct	gagtttttca	tgtttaaaaa	tatttggtgc	ctttatcctg	55440
taaaagtttg	agtataaatt	cttgggttat	actttattta	ttgaagaatg	tataagtatt	55500
gtcttctaga	attgagtgtt	gctgtaatga	aaccagaagt	cagcctgggt	tatttttctt	55560
cagaaatgag	gtaattgccg	gccggacacc	gtggctcatg	cctgtaatcc	caacactttg	55620
ggaggccgag	acaggtggat	cacgaggtca	ggagattgag	accatcctgg	ctaactgggt	55680
gaaaccccgg	ctctactaaa	agtacaaaaa	gttagctggg	catgggtggg	gacgcctgta	55740
atcccagcta	cccgggaggg	tgaggcagga	gaatggcgtg	aacctgggag	gaggagcttg	55800
cagagagctg	agtagcgcc	actgcactcc	agcctgggcg	acagagttag	actccgtctc	55860
aaaaaaacaa	aaaaaaaaaca	aagaagtga	gtaattgcc	tgatgctcca	agaattatct	55920
ctttgtctat	gaaatccaga	aatctcactg	ttatacattt	tggaattatt	attctgggccc	55980
aatatttctc	gggacacaat	agattgactc	tatagattta	attttttttt	ttttttttgag	56040
acagagtctt	actgcaatct	cagcttactg	caacctctgc	ctcacgggtt	caagcaattc	56100
tcctgcctca	gcctcccaag	tagctgggac	tacaggcgcg	tgccaccatg	cctgggcta	56160
ttttgtcttt	ttagttagaga	cagggtttca	ccatgttggc	caggctgggc	ttgaacgcct	56220
aacctcaagt	gatccacctg	cctcagcctc	ccaaagtgtc	gggattacag	gcgtgagcca	56280
ccatgcccag	cctcaattcc	tctttctatc	tggttaattt	tctgaagtgt	aaaacatttg	56340
ttctaatacg	ttatttcagt	gttcttctaa	gatgtgtaaa	gcacctatt	cccagctcag	56400
cccccatctt	gctagttagc	tccgctgggt	cttcacaaga	gctctgggtt	tctcctgctt	56460
aatctcaagt	acctctgtca	gcctccacct	ggtttatgat	ttggagtgtt	ttgggttttg	56520
ttttttgttt	ttgacagagt	cttactctgt	cacccaggct	ggagagcagt	ggcataatct	56580
cagctcactg	caacctctgt	ctcccagggt	tgagcgattc	tcctgcctca	gcctactgag	56640
tagctgggat	tacaggcgcg	tgccaccaca	cccggcta	ttttgtattt	ttagttagaga	56700
tggggtttca	ccatgttggc	cagggtgggt	ttgaactcct	gacctcaggt	aatccacctg	56760
cctcagcctc	ccaaagtgtc	gagattacag	gcgtgagcca	ccgcgcctgg	catgggttgg	56820
agttttaatc	tgtagtttta	ataaagatag	tgcttatgtt	tgtgtttctt	atatattcttg	56880
gtactcttgg	gtaatttgta	agatccccat	atctacacaa	gaagtcatt	ttcaattctt	56940
ttcttcagac	attttatttt	attttatttt	attttatttt	tatgtttgag	atggagtctc	57000
gctgtgtcac	ttctggaggc	tgaggtgcag	tgccgcgcatc	tcagggtcact	gcaacctccg	57060
tctcccgggt	tcaagcaatt	ctcctgcctc	agcctcccga	gtagctggga	ttacaggcac	57120
ctgccacttt	ttaatttttt	tagagacaga	gtctcgcttt	gttgaccagg	ctggagtgcg	57180
tggtgtcaat	catggctgac	tataacctcc	aaatcctggg	ctcaagtgat	cctcctgcct	57240
cagcctcctg	agttagctggg	actacaggca	catgccacca	tgcccagtta	attttaattt	57300
ttttgttagag	acagggtctc	catatgttgc	ccaggctggc	ctcctactcc	tgccctcaag	57360
taatcctcct	acctcagcct	cccaaattac	taggattata	agcatgagcc	accatgccca	57420
gccttgttct	actactttaa	tttcatatgt	taggtgacca	tgtaattgat	catccaaacc	57480
aggattctgt	agaattgaaa	gaggctgaca	gtagtatgat	gctgggacta	gcattgtgca	57540
ctgagattat	ttctgggaaa	gcaggagata	cggctaccct	acttatagt	tgcttgtctt	57600
tggattgttg	aatttggagt	ttctatttgc	aggcttattt	caactgggca	gccttgatcc	57660
gccctgccca	gcaatgtac	cgttctctcc	accgggtctc	tgggacccct	tcagtcacta	57720
tacttagctc	agttccccac	cctcccactc	cctaaaagcg	taaccaggaa	tcctgcctca	57780
ggctactctg	cgtcttccgt	gggctgtttc	agttcctatt	accagagatc	aaactcccag	57840
cattccctac	ctgattccag	acttgagtc	cagagcttta	acctcttcag	gccaactccc	57900
cactttgcat	ttctgtccct	atatcttagt	ccatggagat	acatttcatg	tctttgagtc	57960
tacttcaaaa	gtaaattttg	ctgtttttta	attttttttt	tgagatggag	tcttgccctg	58020
tcacccaggc	tgtggtgcaa	tgacgccatc	tcggctcact	gcaacctccg	cctcctgggt	58080
tcaagcgatt	catctgcctc	agcctcccaa	gtagctgtga	ttacagacag	gcaccaccac	58140
gccagctaa	ttttttttat	cttttagtag	agacagggtt	tcacatgtt	ggccaggctg	58200
gtcttgaatt	cctgacctcg	tgatctgccc	atctcgccct	cccaaagtgc	tgagattaca	58260
ggcgtgagcc	actgtgcccc	gccaattttg	ctttttttat	atttcattgc	tatatgttta	58320
gaggataagt	ttacagtgct	atatgcattc	ccaaatatta	gaccaaataa	atctccaaaa	58380
aattagaaag	aaaatccaaa	aaatctcaaa	aaataccaaa	aagcaacaat	ctcacagacc	58440
atactcactg	acccccaata	aaataaaatt	agaaattaac	cacaacttaa	caaaataaag	58500
tactcaagtc	agagaggaaa	gaggaaataa	acatcaaaat	tacaaagtct	aggcgggtggc	58560
tcacgcctgt	aatcccagca	ctttgggagg	ccaaggcggg	cagatcacaa	ggtcaggaat	58620
tcgagaccag	cctggccaat	atggtgaaac	cccgtttcca	ctaaaaatag	aaaaatttagc	58680
caggcatagt	gatgtgtgcc	tgtaatccag	ccacttggga	ggctgaggca	ggagaatcac	58740
tgaacccagg	gagacgaaga	ttgcagttag	ccaaaatcgt	gccactgcac	ttcggcctgg	58800
gtgacaaagc	gagactccat	ctcaaaaaaa	aaaaaattac	aaactcttta	gatagaaatt	58860
ttggtgtttt	tttttgagac	ggagtctcac	tctgtcgcag	aggctggagt	gcagtgggac	58920

tatgtcagct	caccgcaacc	tccatctcct	ggattcaagc	aattctcctg	tctcagcctc	58980
ccaagtagct	aggattacag	gcgcccacca	ccagaccag	ctagttttta	tatttttagt	59040
agagatggtg	tttcaccatg	ttggccaggc	tggctcctc	ctcctgacct	caagtgatcc	59100
acctgcttca	gcctcccaaa	gtgctcagat	tacaggcgtg	agccaccgca	ccccacctag	59160
atagaaattt	caacatgagg	ccgggcacaa	tggctcacgc	ctgtaatctc	agcacttcag	59220
gaggctgagg	cgtgggagga	tcaactgggc	ccaggagttc	aggaccagca	tgggtgacag	59280
agacagaccc	tgtctctatt	tatttgaaaa	aaaaaaaaaa	aaagagagag	agaaagaaat	59340
ttcaacatga	aaagtatctc	tcaaaccctt	cgagatgttg	gcaaaaagcg	actcaaagga	59400
aaatgtatta	ctgtgtgtga	atttgcttga	aaataagaaa	gaggccgggt	gtggtggcta	59460
acacctgtaa	tcccaacact	ctgggagtc	gaatcaagt	gatcatgagg	tcaggagatc	59520
gagaccatcc	tggctaacat	ggtgaaaccc	tgtctctact	aaaaatacaa	aaaattagct	59580
aggcgcggtg	gctcatgcct	gtaatcccag	cactttggga	ggctgaggca	ggtggatcac	59640
ctgaggtcag	gggtttgaga	ccagcctggc	ctacatggtg	aaacctcgtc	tcttctacaa	59700
atacaaaaa	tagctgggcg	tgggtggtggg	tgcctgtaat	cccagctact	cagaggctga	59760
ggcaggagaa	tcgcttgaac	ccgggaggcg	gaggttgccg	tgagccgaga	tcgcaccact	59820
acactccagc	ctgggcaaca	gcctgggtga	cacagtgaag	ctccatctca	aaaaatacaa	59880
aaaattagct	gggtgtggtg	gcctgcgcct	gtagtcccag	ctaccgggga	ggctgaggca	59940
ggagaatgga	gtgaacctgg	gaggaggagc	ttgcagttag	ccgagatccc	accactgcac	60000
tccagcctgg	gcgacagagc	aagactcttg	tctcaaaaaa	aagaaaaaaa	aaggaaaaaa	60060
gaacctgat	aataagaaa	ccaaatgttc	aactctcaaa	gctcggacac	tttaaagaaa	60120
taattaataa	aggcagaagt	taaaggagg	atgataaagc	aatttttttt	gttgggtttt	60180
ttgagatgga	gtcttgctct	gtcaccagc	ctggagtgc	gtgatgcgat	cttggctcac	60240
tgcaacctct	gcctcccggg	ttcaagcaat	tctcctgcct	cagcctcctg	agtagctggt	60300
actacaggtg	cgcgccacct	ggcccagcta	atttttgtat	ttttattaga	gacgggggtt	60360
caccataattt	gttaggtcgg	tctcaaacctc	ctgatctcag	gtaatctgcc	cacctcggcc	60420
tctcaaagtg	ctgggattac	aggcaggcgc	caccgcgcct	ggcctaaagc	aaaatattgg	60480
ttctgtgcaa	aagggtcaata	aaaagagcaa	acgtttacaa	actggagcca	gcacccattc	60540
agctcagtg	gtctggagaa	aaaacaatct	cgcttcagaa	ttcatgatta	cgcagccctt	60600
tttgcttctc	aaaaatccta	ctatgttgct	gttgaccatt	ctctctcttt	ctctctctct	60660
tgctttctct	ccagaaaagc	tattcagaca	tctctctctt	tcctcaaac	tccaacactt	60720
cctcctccat	ccttagcctc	agctgctgac	ctcacttcta	atcattgaga	aaccaggaga	60780
agcattttaag	agtgaacctc	cgctccccc	cacgggcaaa	accaccacc	cacagaattg	60840
tgccccaatt	ctgcgtcctc	tctctcacc	atggatggac	ggtccaggct	ccgagccaaa	60900
gccaggcctc	ccctggagctc	ctggatccac	cacctgcagc	ttctcaggca	gggccccagc	60960
agctccctcg	ctcccttgta	ccatcaatcc	ctccccac	tgggtcactc	ccaacaatat	61020
atatatttag	tgatgtttct	cccatgtggt	aaaatcactt	agcctctctc	ctccccagc	61080
tactatccta	tttgtttctt	tccattctct	gcaaaacttc	tcaaagcatt	gtgtctatgt	61140
gctgactcca	tttatctctt	cccgttctct	gctgagtctc	ttccacagac	tctcacccca	61200
gttactccat	gaaatgacct	ctgcactgac	acatccaatg	gtgaatgttc	agttcttaat	61260
tttattcagt	ctttcagcag	catttgacct	ggccgatcac	tccctctctt	taaaaatact	61320
tttctcagcc	aggcgtgatg	gctcacacct	gtaatcccaa	cactttggga	ggccaaggcg	61380
ggaggatcat	gagagcccag	gagttcaaga	tcagcctggg	caacatggca	agaccctatc	61440
tctacaaaaa	ctaaaaagta	gccagtgtga	tggcatgcac	ctgtagtccc	atctacttag	61500
gaggctgagg	acttgagctg	acttgagctg	gggaaatcaa	ggctgcagtg	agccatgatt	61560
gcaccactag	actccagcct	gagtgacagc	gagaccctgt	ctcaaaaaga	caaaaatagga	61620
aacttttctc	agcatattcc	tctgattctc	ctgctgcttc	tgtctgcaca	gattcagctc	61680
cctttgccc	ttcttctcca	tctcctgat	ctcttgacct	tgaagtgc	cagagtacag	61740
tctttttttt	tttttttgag	acgcagtctc	gtctgtcacc	caagctggag	tgcaatggcg	61800
aggtctcagc	tcattgcaacc	tctgcctcct	gggttcaagc	gattctcctg	cctcagcctc	61860
ccaagtagcc	aggactacag	gcacatgcc	ccatgccag	caaattgttg	tatttttagt	61920
agagacaggg	ttttactata	ttggccacgc	tggctcctc	ctcctgaact	cgtgaaccac	61980
ccgcctcggc	ctcccaaagt	gctgagatta	caggcatgag	ccaccacacc	cggcccagag	62040
tacagctctt	agacggcctc	tctacctata	cttgcctccc	tcataaaactc	ctcctgcctc	62100
atggctttaa	ataccatcgg	tagactgatg	actcccatat	ttctcttttt	tttttgagga	62160
cggagtctcg	ctcagtcctc	caggctggag	tgcagtggcg	cgatctcggc	tacttgcaag	62220
ctccacctgc	caagttcaca	ccattctcct	acctcagcct	ctccagtagc	tgggactaca	62280
ggcaccgcgc	accacgcctg	gctaattttt	ttgtattttt	agtagagatg	gggtttcacc	62340
atgttagcca	ggatggtctc	gatctcctga	cctcgtgatc	cgcccatctc	ggcctcccaa	62400
agtgtggtga	ttataggtgt	gagccaccgt	gcccagccga	tgactcccat	atctctatct	62460
cttgctgtgt	gggagttctc	ctcagaactc	catactcata	aatccaactc	tcataaatag	62520
tatctcaaat	gggcaatatg	ctcaaaaagt	aattcctact	tttctcccta	aacttgcttt	62580
cctgcagtct	ccaccatctt	aatgtccaat	ctaacttag	gaggcaaaaa	ctttgaagtc	62640
attcttgact	cttctctatt	acacacccta	tccaactctt	ctgcagatcc	agtcgacccc	62700
caaattccagt	tagctctcat	catctccctt	gttaccctct	ggtccaggcc	atcttctctt	62760
ctcacctgaa	tactgcagc	attctcctca	ctggctctct	tgggtctggt	ttcactccac	62820
cttagcatag	tctccacaga	gcagtccag	ggatcctttt	aaagtgtaat	tcccatcctg	62880
tcctgtctct	gctcaaaacc	ctgtcgtgat	tccggtttta	atctgtcaga	ttaaaagcca	62940

gagtctttcc	agtgaacctac	atgatctgccc	tattatcacc	tcccacttct	ttccccttgc	63000
tcactccact	ccagctctgc	agctgtcctt	tctgtttcct	gaacagccca	gatttttgctt	63060
ctttagaacc	tttgtatttg	ctgtcccctc	tgtctggaat	gtttttccag	gaagtcacct	63120
ggctctctcc	tgcacttcc	tcctgaccac	catgtttaaa	aatcactcaa	acacacttca	63180
ggccggacat	ggtggctcac	gcctgtaate	ccagcacttt	gggaggccaa	ggtgggtgga	63240
tcacctgagg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaactt	cgtctctact	63300
acaaatacaa	atagtagcca	ggtgtagtgg	cacacacctg	taatctcagc	tactcaggag	63360
gctgaggcag	gagaatcgct	tgaacccaga	aggcagagga	ggtgcagtga	gccaagatca	63420
cgccacaaca	ccccagcctg	ggtgacagag	caagacccca	tctcaaaaaa	aaaaaaaaga	63480
aaaaaaatca	cacaaacaca	cttctcttca	tattcctttt	ccaagtttta	tttttctcca	63540
gaatactttta	cattgtttta	atgggaagttc	tccgtttccc	cccaactaga	atggatactt	63600
cctgcaggta	ggcactctag	tcctcccctc	caagtactaa	ccaggctcaa	ccctgcttag	63660
cttctgagag	caggggagat	caggcctggt	caggggtgga	tggcccagga	attttgattc	63720
tgttttattc	attgctgttc	tgttgattct	cttttgttcc	tcctcctagt	gctgagaaca	63780
ctactgttac	ataataagca	ttcaataaat	atttgttgaa	tgaatgactt	gttgaaatgaa	63840
ttaatctcag	aaatgcagga	ctgggttctac	attagaaaat	ttttcaaggt	cattctctgt	63900
tgtcgtaaca	cattaagaga	ggaaaatttt	gtactctaaa	tcatttgata	aaatacatac	63960
tgattttctgt	tttcaaaaac	tcttagtggc	tgggcgaggt	ggctcacatc	tataatccca	64020
gcattttggg	aggacgaggt	gggcggatca	cttgagggtca	ggagtttgag	accagcctgc	64080
ccatcatggt	aaaaccctat	ctctactgaa	aatagaaaaa	ttagccgggt	gtgggtgcgc	64140
atgcctgtag	ttccagctac	ctgggaggct	gaggcaggag	aatggcctga	acccggggag	64200
cggagggttg	agtgaagcaa	gatcatgccca	ttgcactcca	gcctgggtaa	cagagtgaga	64260
ctccatctca	aaagaaaact	cttagtgagt	ttaggaatcc	aaggaagacc	ctcaaaactaa	64320
atagataatc	tagctaccag	aagccttcag	taaaccctaa	cactccatgg	tgaaccatta	64380
gaaacattcc	tactaaaaga	caggctaaga	atgcctgcaa	tcttcacggc	tagtccaaga	64440
agtcaaaaag	aagaaatgag	cgctgattta	aaaaaataaa	caaacaaaaa	actaccgatg	64500
cagaggctgg	cagcaaggac	tgaaggactg	tacagtactt	gcctggagca	ggcggatggc	64560
cacacccttg	cgaagcctgc	tcagctggct	gggggacgct	ccagtgtgtg	agtggcagga	64620
tgcagggtac	ttcctctgcc	agggagtggc	actggggaga	tcctccccc	ctcacacttt	64680
ggcagctggg	gttttggaa	gtgacttgac	ttctgtcaaa	gggtcaatcc	accctttgat	64740
atatgatgca	aaggcgaaaca	tatgatgcaa	aggtgagaga	acagcccaaa	ttaggacttt	64800
taccacagct	gtggaggtgg	acagcgacag	tgggtggccc	tggccagact	tttcatgctc	64860
aaaggtgggtg	gttgtttctt	ctacttcttt	tcctccagg	gcttcctttg	cctgtgtgct	64920
gaactctgct	tttttaactt	tttttaactt	tttttaactt	tttaattggtt	taatttgaac	64980
aaattttgaa	aactgtctga	acctgctttt	gaaccctgct	atgatttgaa	tgtttgtccc	65040
ctgccaaact	gattttgaaa	cttaatctcc	aaagtggcaa	tattgagatg	gggctttaag	65100
cagtgaactgg	atcatgagag	ctctgacctc	atgagtggat	taatggatta	atgagttgtc	65160
atgggagtg	catcagtgcc	tttataagag	gaagaattaa	gacctgagct	agcatggctg	65220
ccccttcacc	atttgatata	ttacactgcc	taggggctct	gcagagagtc	cccaccaaca	65280
agaaggctct	caccagatac	agctcctcaa	ccttgtactt	ctcagcctct	gtaactgtaa	65340
gaaataaatg	ccttttcttt	atgaattacc	cagtttcaga	tattctgtta	taaacaatag	65400
aaaacgaact	aaggcaaaact	ctcatgattc	tactgccatg	ccattccaat	aaactccctt	65460
tatgcttaag	agagccagag	ttggccaggc	gtggtgactc	acgcctgtaa	ttccagcact	65520
ttgggaggcg	gaggcaggtg	gatcacaaag	tcaggagatc	gagaccatcc	tggctaacac	65580
ggtgaaaccc	cgtctctact	aaaaatacaa	aaaaattagc	tgggcgtggg	agtgggtgcc	65640
tgtagtccca	gctactcggg	aggctgaagc	aggaggagaa	tggcgtggac	ccaggaggcg	65700
gagcttgacg	tgagtcgaga	tcgtgccact	gcactccagc	ctgggtgaca	gaatgagact	65760
ccgtctcaaa	aaaaaagaga	gccagagttt	atttctgttg	cttgcaacca	agaaatctgg	65820
ctggtgcact	gaagtttcca	taaataatag	caattttaag	actctttcca	agccaggcaa	65880
tgcctagcct	tgtgtagtcc	ttgtggtaat	acattcattc	attcatttgt	tcaaccaact	65940
gtgctccaga	gactaagaat	acaaaaatgg	gggccgggtg	tgggtggctca	cacctataat	66000
cctagcactt	tgggaggccg	aggcaggtag	atcacctgag	gtcaggagtt	cgagaccaac	66060
ctggccaaaa	tggtgaaacc	cctactctac	taaaaatata	aaaaattagc	tgggggtggt	66120
ggcggacacc	tgtaatccca	gctactcgtg	agactgaggc	aggagaatca	cttgaacccg	66180
ggaggcagag	gttgacagtga	gccgagatcg	caccactgca	ctccagcctg	ggcaacaaga	66240
gcgaaactcc	acctcgaaaa	aaaaaaaaaa	aaaaaaaaag	ggccggggct	gggcgcagtg	66300
gctcacgcct	gtaatcccc	cactctggga	ggccaaggca	ggagaattac	gaggtcagca	66360
gatcgagacc	acatgggtgaa	accccatctc	accccatctc	tactaaaaat	acaaaaatta	66420
tcggggcgtg	gtggcgcaca	cctctagtcc	cagctacttg	ggaggctgag	gcaggagaa	66480
cgcttgaacc	cgggaggcag	aggttgacgt	gagccgaaat	catgccactg	cactccagcc	66540
tgggtgacag	agtgagactc	cgtctcaaaa	aaaaaataaa	aaaaaaaaaa	gaattcaaaa	66600
attgtagagt	tctagtgtgc	ttctagttta	gttgagagga	catctgtcct	tcaaggagg	66660
ctagaatcta	tacctgaggt	ccttactgaa	atcaatccag	cagtcaaaac	atgggaccaa	66720
cgatcacagc	agtaagatag	gaagagcacc	tttgtacatt	tagctcatgt	tgagataagc	66780
cactgacaga	gctgaaggaa	gctcacagtt	ctgggttcca	tcctttggca	tttaaaaaga	66840
aaagtgctaa	gaaaattcgg	ttggtcacgg	tggctcacgc	ctgtaatccc	aacactttga	66900
gaggccaagg	caggcagatc	acgaggtcag	gagttcgaaa	ccagcctggc	caacatggtg	66960

aaaccccgctc	tctactaaaa	acagaaaaat	tagccgggca	tgggtggcgca	tgcctataat	67020
cccagctact	caggaggctg	aggcaggaga	attgcttgaa	cccgggaggg	ggaggttgca	67080
gcgagtgaga	gcaggccact	gcactccagc	ctgggagaca	gagcaagact	ctgtctcaaa	67140
aaaaaaaaaag	aaaaaaaaagaa	agaaaggaaa	aaaagaaaga	aaaaaaaaaga	aaaaagaaaa	67200
ttcaggccag	gccaggcctg	gtggctcaca	cctgtaatcc	caacactttg	ggaggctgaa	67260
gcgagacggg	gccttagccc	aggagtttga	gaccagcctg	agcaacatag	cgagaccctg	67320
tctctataaa	aaaaaatTTT	TTTTTggcca	gacgcagtgg	ctcacgcctg	taatcccagc	67380
actttggggag	gccgaggcag	gtggatcacg	aggtcaggag	atggagacca	tcctggctaa	67440
cacggtgaaa	ccccatctct	actaaaaaat	acaaaaaat	aaccgggcgt	ggtggcgggc	67500
gcctgtagtc	ccagctactc	gggaggctga	ggcaggagaa	tggcgtgaac	ccgggaggcg	67560
gagcttgagc	tgagccgaga	ttgcgccact	gcactccaga	ctgggagaga	gtgagactcc	67620
gtctcaaaaa	aaaaaaaaaaaa	aaaaaaaaaat	taattgtcag	gtgtgctggc	atgcagctgt	67680
agtcctagct	actcgggagg	ctgaggtaag	aagatcgctt	gagcccagga	gttcaaggct	67740
gcagtaatag	tgctctctcac	tctaccctgg	gtgacaatga	gaccctctct	caaaaagaaa	67800
gaaaaaagg	aaagaagaaa	agaaagaaa	aaagagaaga	aaggaaggaa	gaaagaaaga	67860
aaaagaaaaag	gaaggaagga	agaagaaaaa	aaaagaaaga	aagaaaagag	agagaagtct	67920
aaagaccaa	gggtcaggat	cccaaaatag	TTTTTatggt	ttattttatt	atttacttat	67980
ttatttttga	gacagtatgg	ctctgtcgcc	caggctggag	tgcagtgatg	cgattgcggc	68040
tcactgcagc	ctccaaactg	ggctcagggt	gccctcccac	ctcagcctcc	cgagtagctg	68100
ggaccacagg	cgcggtgccac	catgcccgagc	taatttttta	attcttttga	gagatgaggt	68160
ctctatatgc	tgcccaggct	ggctctcgagc	tcctgggctt	aagccatcca	ccgcgctggg	68220
cctcccaaag	tgctgggatt	acagaagtga	gccaccgcgc	ctaactcgggt	ggtttgtttg	68280
tttattgacg	gggtctcgct	gctgcccgag	ctggagtgcc	agtggctggt	cacagggtgca	68340
gtcctggagc	attgcattcag	ctcttgggct	ctagcgatcc	tccagagtag	ctgcagctgg	68400
gattccaggc	gcgccaccgc	gcccgggtctca	gaatgggttt	ttatattgag	ggttatgctg	68460
ccacctagag	gatatatgta	gtaccgaact	gtgtgctgag	ggaggctgag	gttgagtgta	68520
gccaagatga	tgccagggca	ctccagcgctg	ggtgacagag	caagatttca	tctcaaaaaa	68580
aaaaaaaaaaa	aaaaaaaaaaa	aagaattgaa	agtaaggctc	tgaagagata	tttgtgctctg	68640
tatggctcata	gcagtattaa	ctttgaccca	ctagctaaaa	cacaaaagca	acatgtgtct	68700
gtcagcaggt	gaacggataa	acaaaatgtg	gtatatatgt	acaattgaat	attattcagc	68760
ctttaaaaag	gaataaaaag	ctggatgcgg	gggctcacgc	ctgtaatcct	aacactttgg	68820
gagactgagg	tggttgatc	acccgaggtt	aggagtttga	gaacagcctg	gccaacatgg	68880
tgaaacttca	tctctactaa	aaatactaaa	attagccggg	catggtggca	cttgtctgta	68940
atccaagcta	ctggggaggc	taaggcagga	gaattgcttg	aactcaggag	ccggaggttg	69000
cagtgcagcta	agatggcacc	actgcactcc	agcctgggca	acagagtggg	actccatctc	69060
aaaacaaaca	aacaaaaaat	tattatttcc	aaagaaacaa	gaccctgggt	ccatttccca	69120
gcccacacct	gatgttgact	cacaacacac	agcctgggtt	gctatgagcc	tgcttcatth	69180
aattgtcacc	ttaaactcac	atcacctca	agtctggaa	taactctttg	ctgacctttg	69240
tgtgctgagc	catctccatg	tcgctcaacg	tgcagtcctt	ctcactgcac	tgagtcataa	69300
gccagacgtg	gtctgactgc	agggctcatcc	ttgttggtct	aggctgactc	gggcatagca	69360
gggtgctctg	agacctcacc	gcatataggc	tttgcccca	ataaactcta	tataatattc	69420
atattatgtg	gtctgggtgt	gtgtagcttt	gcactgtctt	ctcgtgacag	tgccctcaac	69480
ctctttccca	ggatttccct	ctctacctcc	tcaagtccca	ctgctctgca	aagacaaaaa	69540
gctgcagagt	ccagctccc	tcctttcac	cccacgagc	agcctcctct	ctcagaaccc	69600
tttaaacaga	gtcttttact	gcagatccca	agaacagcca	caccctctct	tcccacccac	69660
tccagacaca	cccaggtaat	tatagcacc	agggttaacta	tgtagatgga	gtccctggaa	69720
catgtggata	gtgccccctg	ggagtatgca	aaagcaacat	tgctggcacc	tgcaagaaac	69780
agggtgacat	ccagggaatca	gagcatgggc	ctctgggagg	tagggatgtg	gccaggcagg	69840
ctgccccaaa	ttggtagagc	aaggccacag	gatctttctg	accttccttc	caaacagagg	69900
ctcctgtact	gggtgatccct	gtgttgattg	accactccct	tcctgggggt	cgtggtctct	69960
gtcccagttg	cccgacttc	tgtgagtgtc	ctactgaggt	ccttttcatg	agaagcatgc	70020
tgtccttcca	cctgctggga	gcaagagtga	caacttcaat	actataatag	cagtggcata	70080
cagagaagaa	gaaagatgaa	gtggcaagaa	aaacaggctt	ccaagcagga	gtttttctat	70140
aaaaacaaaa	acgtttacaa	gcaaaacttt	tataaagggc	tagatagtaa	atattttagg	70200
ctttgagagc	cacatagact	tgtttgagc	gactcaatgt	cgctattgta	gtttgaaagc	70260
agccatcagg	gttatgtaaa	tgagttagtc	tgattttgtt	tcagcaaaat	tttatttacc	70320
aaaacagaca	atgagtgggc	tggattttggc	ccatgatcct	tagtttgcca	actcctgctt	70380
tggtctcacc	cagatctgat	tttgaattct	ggctctgcta	ctgggttagct	gcaggagctt	70440
ggaaggctct	ctgagcctgt	ttcctcatct	gtaaaattaa	agcaataatt	tctaactctc	70500
aagagtgtta	cctcacgcct	gtaatcccag	cactttggag	gctgaggcag	gcggatcacc	70560
tgaggtcaga	agttcaagac	cagcgtggcc	aacgtggcaa	aaccctgtct	ctactaaaaa	70620
atacaaaaag	tagccgggca	tggtggcgcg	catctgtaat	cccagctact	tgggaggctg	70680
aggcagggat	actgctagaa	cctgggaggt	ggagcgtgca	gtgagtggag	atcacacctc	70740
cacactccag	cctggccgac	agagcgagac	tccatctcaa	aaaaaaaaaa	aaaaagagtg	70800
ttagaagggt	ttgagataat	gaataaaaaga	tgccttgtgt	ataactaagta	ttcaacaact	70860
gatagctgca	ttggtctaat	tataacagtt	tagaagcgat	tgagtcaaca	aatgctggat	70920
ttgtcaggga	ggacttccta	tcaggaggta	gatcttgggc	tgagtcctga	agcaagagata	70980

ggcattggat	agaggagttg	agagaacacc	ctaggactgt	tattattatt	attcgacacg	71040
gagtcctctg	ctctgtcacc	caggctggag	tgcatggcg	cgatctcggc	tcactgcaac	71100
ctctgcctcc	caggttcaag	cgattctcct	gcctcctaag	tagctgagac	tacagggtgtg	71160
tgccaccaca	cccggtcaat	ttttatat	ttagtagaga	cagagtttca	ccatgttggc	71220
catgctggtc	tcgaactcct	gacttcagggt	gatccaccgc	cctcagcctc	ccaaagtgtc	71280
ggaataacag	atgtgagcca	ccgcaccag	cccagaacca	tttttcaatc	cttggctctg	71340
ccttttatta	gctgcaagat	ctcaggcaat	ttatttaacc	tctccaaaga	ctcattttct	71400
cattcacaaa	atgaggcaaa	taataatc	tactatccca	ggttgatc	agaattaaat	71460
gcaacatgac	atttaatgaa	atgagaagtc	ccttggacat	taactggcta	aagtatgtgc	71520
tcgacaagga	tatcatttta	ggtggatact	tagcatctca	gaactgatgc	tcacaatgga	71580
atatcattga	aacgcattaa	aattcatttt	aaatgattgt	aggtagtgag	gcaattgaaa	71640
gaagaagaca	agaggactga	ttataatgct	tcaggctcac	tagtctcctt	ttaggaggga	71700
aaaacaattt	caagttaaat	tttaggctct	agatttttac	ccctgctgct	cattagaatc	71760
accagattg	atgaaatcag	agcccatctg	aggctgtgtt	tttcatctcc	agaatgagag	71820
ctggttggg	gattaaagtt	ttgaaaaagt	acatctaaca	ggtgatcgaa	aatgatagt	71880
atattattgc	agtgtgggtc	attattgttg	ttattattat	actgaaagag	gcttcagttt	71940
tctgatccat	aaagtgagg	aattgcatga	gaccattgct	aaagattcctt	ctagctctgt	72000
ttttttgttt	ttgtttttta	gacagagtct	ctgtcgccca	ggctggagt	caatggcatg	72060
atcttggctc	actgcaacct	ccgcctccc	ggttcaaagt	atcctcctgt	ctcagcctcc	72120
gaagtatgct	ggactacagg	cacacaccac	catgccagc	taacttttat	atttttaata	72180
gaggtgggtg	ttcaccatat	tggtcaggct	ggttccaaac	tcctgacctc	agggtgatcca	72240
cccgctcgg	cctcccaaca	tgctgggatt	acaggcatga	gccactgtgc	ccaacccctt	72300
ctagctttct	tgatcactga	ttctagggtt	ctctgctgaa	atatatttga	gacatcctgg	72360
ataaaagatc	atgcaagagc	tcccaatatg	gtatttaata	ttgattctgg	aggcttagct	72420
actcctgatg	gattagacat	gactcaactg	cctctcttat	gtgtacaaca	caacaacaca	72480
accaagaaag	gttattctgg	cattccattt	attcagttta	tttacagccc	ttacttccag	72540
cagcacgtta	aagatatggc	cagggccggg	tgcatggct	caagtctgta	atcccaggac	72600
tttgggaggc	caaggtgggc	ggatcacaag	gtcaggagtt	tgagaatctg	gcaattcttc	72660
agacttagaa	gcaaccagct	cgataacaca	gtcttgtgtg	ggctctccct	ctgtccctcc	72720
ctcgcttccc	tcattttctc	tccctgcccc	tgagactgtg	caccttcaca	tagccctgcc	72780
atgagacctt	catctcaggg	tttgctttct	ggggttaact	aggctaatac	ctgagtggcc	72840
ctaaaagagg	attgggattt	ggaagttaga	ttattcacca	gagaacagac	tttgctgatg	72900
atcaggccca	ggttgtaatt	gttgaaaaaa	agagaggatg	catagtctta	tctcatctcc	72960
tagtcaaagt	caacaccatg	ataaataaga	gtcaaatcct	gagatgtgaa	ttggggagag	73020
ttgagtgggt	aaccctgaga	agcttgcacc	ttcagacccc	tcaatacccc	tgctcccatg	73080
agaaggctgg	acattgacct	cagcacaggc	aggagccctg	caagatgcca	tttgtcctac	73140
taaagatgga	cccctccact	ctgtttctag	gtaaataacc	aaagtcaagt	ctccacacag	73200
cctgagcaag	aaagtccagag	cctgctacag	gagaaaatac	cacactggcc	aaaggattca	73260
ctagccttgg	ccactgtgtg	tgagggaac	cagggaatca	tggtgaggag	tcaatgttga	73320
agctgttggg	ctgggggtgg	ggtggaatat	aagcctggcc	ctggggagtt	tttcccgttt	73380
gagggccttt	acccacaact	caagatccag	tgctatagca	ggagatccca	gagctagtcc	73440
taacagatgg	tcaggattga	acttggccta	gagtaaaatg	aggaggatag	tgccagaact	73500
ttctcaacat	actattgagg	aagaggtcag	aaggcttaag	gaggtagtgt	aactggaaag	73560
gggtccctgat	ccagacccca	ggagagggtt	cttggacctt	gcataagaaa	gagttcgaga	73620
cgagtccacc	cagtaaaagt	aaagcaattt	tattaaagaa	gaaacagaaa	aatggctact	73680
ccatagagca	gcgacatggg	ctgcttaact	gagtgttctt	atgattattt	cttgattcta	73740
tgctaacaac	aggggtggatt	atttgtgagg	tttccaggaa	aggggcaggg	atttcccaga	73800
actgatggat	ccccccactt	ttagaccata	tagagtaact	tcctgacgtt	gccatggcgt	73860
ttgtaaaact	tcattggcctt	ggaggggaatg	tcttttagca	tgtaaatgta	ttataatgtg	73920
tataatgagc	agtgaggacg	gccagaggtc	gctttcatca	ccatcttggg	tttgggtggg	73980
tttggccggc	ttctttatca	catcctgttt	tatgagcagg	gtctttatga	cctataactt	74040
ctcctgccga	cctcctatct	cctcctgtga	ctaagaatgc	agcctagcag	gtctcagcct	74100
cattttacca	tgagtcgctg	ctgattccaa	tgcccttgac	agcaggaatg	ttggaattga	74160
attactatgc	aagacctgag	aagccattgg	aggacacagc	cttcattagg	acactggcat	74220
ctgtgacagg	ctgggtgggtg	gtaattgtct	gttgccaggt	gtggactgtg	ggagatgcta	74280
ctactgtaag	atatgacaag	gtttctcttc	aaacaggctg	atccgcttct	tattctctaa	74340
ttccaagtac	cacccccccg	ctttctcttc	ctttctcttc	tttctgattt	tactacatgc	74400
ccaggcatgc	tacggcccca	gctcacattc	ctttctcttat	ttaaaaatgg	actggggctg	74460
ggcgcggtgg	ctcatgcctg	taatccagc	actttgggag	gccgaggcgg	gcggatcatg	74520
aggtcaggag	atcgagacca	tcctggctaa	cacggtgaaa	ccccgtctct	actaaaaatg	74580
caaaaacatt	agccaggcgt	ggttgccaggt	gcctgcagtc	ccagcggctc	aggaggctga	74640
ggcaggagaa	tggtgctgaac	ctgggagggt	gaggttgcaa	tgagccgaga	ttgtgccact	74700
gcactccagc	ctgggtgaca	gagcgagact	ccgtctcaaa	aaaaaaaaaa	aaaaaaaaaa	74760
tagctgggca	tggtggcgcg	tgctgtaat	accagctact	ctggaggctg	aggcaagaga	74820
atcgcttgaa	cccagtaggc	ggaagtggca	gtgagccgag	atcttgacac	tgactccag	74880
cctggtgaca	gagtggagct	ctgtctcaaa	aaaaaaaaaa	agaaaaaa	agacagaaag	74940
aaagagcaca	gacagagtca	caggtatttg	cagtaggaag	ctgtcaggtt	agagtgcacg	75000

gaaatagaaa	gtatatTTtTa	cacttacagc	acatcttCgt	ttgattagcc	acatttaaaa	75060
tactgaatag	caacgtgtgg	ctatttagta	ttcactaaaa	tcttggacag	tgcaagtcta	75120
aagaatcctt	gatccgtccg	gcatgggtggc	tcacgccttt	aatcccagca	ctttggggagg	75180
ccaaggtgga	aggatcactt	aagggtcagga	gttcgagacc	agcctggcca	acatgggtgaa	75240
acctcgcttc	tactaataat	acaaaaaaaa	ttagccgggc	atgggtgggtgc	atgcctgtaa	75300
tcccagggtac	ttgggagggt	gaggcaggag	aatagcttga	atccaggagg	cgctgcagtgc	75360
agccgagatc	atgccatgcc	actactgcac	tccagcctgg	gcaacagagt	gagactgtct	75420
caaaaaaaaa	aaaaaaaaattg	ttgggcgtgg	tggctcacgc	ctgtaatccc	agcactttgg	75480
gaggctgagg	gggggtggatc	acctgggttc	tggagttcga	gaccagcctg	gccaacatgg	75540
tgaaccccca	tctctactaa	aaatacaaaa	attagctggg	cgtgggtgggtg	ggcacctgaa	75600
atctcagcta	ctcaggaggc	tgaggcagga	gaatttcttg	aacccaggag	gcagagggttg	75660
cagtgaacca	agatcgcgcc	tctgcactcc	atcctgggtg	gcagagcaag	actatgtctc	75720
aaaaaaaaaaa	aaaaaaaaatac	ttgattgtct	ggacattctg	cagaacatca	tatggagaca	75780
ctatgttgac	gacatcatgc	tgattgtaag	caagaaatgg	caagtgttcc	agaaacacag	75840
tcaagacaca	tacatgccag	aagggtgagat	ataaactcta	ctaagattca	gtggcctggc	75900
acactgggtga	cattttttaa	cctgctagat	gtttgtgtag	aaaaggattt	aaccttgccc	75960
aaagaggggt	ctggcctttg	tccccagcta	ctggacataa	tctcttttaa	ctcttgaaat	76020
atcattcctg	atagaagtat	ttttgttttg	actagggggc	ttggggccagc	cagatagcaa	76080
caatgtgatc	tgggttgggg	gctttggatc	agggtggcatc	agtgtgacct	cctgagtggc	76140
tagagactag	aatcaaccac	atgggcagac	aacccagctt	acatgatgga	attccaataa	76200
agactttgga	cacaaaggct	tgggtaaagt	ttcctgggtg	gcaatgctct	atactgggaa	76260
accatttctg	actccatagg	gagaggacaa	ctggatattc	tcatttggtg	cctccctggg	76320
ctttgcccta	tgcatttttc	ccttgtctga	ttattattat	tattatgaga	tgggaatctcg	76380
ctctgtcacc	caggctggag	tgcagtggaa	tgatctcaac	tcactgcaac	ctctgcctcc	76440
ccggtttcaag	cgattttcct	gtctcggtct	cccagtagcg	tgggactaca	gatgcatacc	76500
accacaccg	gctaattttt	ttgtattttt	agttagagacg	gggtttcacg	ttagccagga	76560
tgggtctcgat	ctcctgacct	catgttccgc	ctgcctcggc	ctctcaaagt	gctaggaata	76620
catgtgtgag	ccaccgcgcc	cagccccctt	ggctgattat	taaagtgtat	ccttgagctg	76680
tagtaaatta	taaccgtgaa	tataacagct	tttagtgagt	tttgtgagca	cttctagcaa	76740
attatcaaac	ctaaggatag	ccttggggac	ccctgaactt	gcagttgggtg	tcagaaataa	76800
gggtgctcat	gtgtgtacca	tgcctcttaa	ttttgtagtt	aattaacttt	cacaacttta	76860
ttattaccgc	ttacactcaa	tgtttattca	catttatcca	cataccactt	attctagtgc	76920
cttgcatcaa	agacttttcta	tctcatgtac	tttattctgc	ttgaagtaaa	tccttttagga	76980
tattcttttt	ttttttttaa	ctttgcacat	acataacttt	atttttttatt	tatttttatt	77040
tttgtttattt	ttgtgggtac	gtagtagata	tatgtattta	tggagtacat	gagatgtttt	77100
gatacaggca	tgcaatgtga	aataagcaca	tcattggagaa	tgggggtatcc	atcctctcaa	77160
gcaattttatc	cttcaagtta	caaacaatcc	aattacactc	tttaagttaa	tttaaaatgt	77220
acattttaatt	ttgtattgac	tagagtcaat	ctgttgtgct	atcaaatata	attttttttt	77280
tttttgagac	agagtctcac	tcagtggccc	agactgaaag	tgcaagtggca	caagctcgcc	77340
tcacttgcaat	ctctgcctcc	ctggttcaag	cgaatctcct	gcctcagcct	cccacatagc	77400
tgggattaca	ggcacacacc	accatgcccc	gctaattttt	atattttttt	agtagagacg	77460
ggttttcgcc	atgttggcca	ggctgggtctt	gaactcctgg	cctcaaataga	tctgaccacc	77520
tcagcctccc	aaagtgtctg	gattacaggc	atgagccacc	acacctggcc	aaaatagaat	77580
attcttttagt	gaggttctgt	ggtgacaatt	ttttcttttt	ttttgagact	gagctcgct	77640
gttgtcagct	tgggctggag	tgcaatagca	cgatctcagc	tcactgcaac	ctccacctcc	77700
cggattccag	caattctcct	gcctcagcct	cccaagtagc	tgagagatta	caggcaccca	77760
ccaccacacg	cggctaattt	ttgtattttt	agtagaaatg	gggggttcacc	gtgttggcca	77820
ggctgggtctc	gaactcctga	cctcagggtga	tccaccacc	ttggcctccc	aaagtgtctg	77880
gattacaagc	atgagccacc	acgcacagcc	aatttttttc	gtttttgtct	gaaatcttat	77940
tttgtgtcat	ctttgaaata	tattttttgat	ggatataaaa	ttgttgggtg	atagttatta	78000
tcattattat	tattattttg	agacaggggtc	tcactctggt	gcctatgctg	gggtgtagta	78060
atgtgatctc	ggttcactgc	agacttgacc	tcttaggggt	cagggtgatct	tcccacctca	78120
gcctccctag	tagctgggac	tacagatgca	tggccaccata	cccaactaat	ttttctattt	78180
tttgtagaga	tgaggctttg	ccacatttcc	caggctgggtc	tctaactcct	gagctctagc	78240
aatccaccca	ccttggcctt	acaaagtgtc	gggccatgac	tagccagcag	ttacttttta	78300
tagcatattg	aatattttaat	atgaatcttc	tggcatccac	tgtaactgtt	taaaaaatca	78360
gctgtttact	tggcactcct	tttttttttt	ttttttttta	gacagagtct	tgcctgtctg	78420
cccaggctgg	agtgcagtgg	cgtgatcttg	gctcactgca	agctctgcct	cccgggttca	78480
cgccattctc	ctgcctcagc	ctccggagta	gctgggacta	aaggcgcccg	ccaccacgcc	78540
cggctgattt	ttttgtattt	ttcgtagagt	tgggggttca	ccgtgttagc	caggatgggtc	78600
tcgatctcct	gacctcgtga	tctgtccgcc	tccggcctccc	aaagtgtctg	gattataggc	78660
gtgagccacc	gcgcccagcc	tctttttttt	ttttttttta	acggagtctt	actctgtcat	78720
ctaggctggt	gtgatctcag	gtgatctcag	ctcagtgcga	cctccacctc	ctgcctcagc	78780
ctgccaaata	gctgggatta	cagggtgcgta	ccatcacgcc	cggctaattt	ttgtattttc	78840
agtagagatg	gggtttcacc	atgttagaca	ggctgggtctc	gaactcctgg	cctcaagtga	78900
tctgcctgcc	ccagcctccc	aaagattaca	ggcatgagcc	accgcaccgc	gccaagttagc	78960
actcctttga	aggtaatctg	cttcccctac	ccctagcaat	ttttaacaat	ttttcttcat	79020

ttttatttcc	tgaagttttg	ttattaataa	tctgtgtgca	gatttctttg	tatttctttt	79080
gtttgcagtt	catagtgtatt	cttgaattag	tgtgttggtt	tctgtttatca	ccacaggaaa	79140
attgtcagcc	gttagctttt	caaataattt	cttgctaaat	tctctcttct	cccccttcgg	79200
tacaattgat	ttgattaaaa	ctaaaaccag	ggcggggtgc	agtgactcat	gcctgtaatc	79260
ccaacacttt	gagaggctga	ggcagggtga	tcacctaagc	tcaggagttc	aagaccagcc	79320
tggccaatat	ggtgaaaccc	cgtctctact	aaaaatacaa	aaattaccag	gcattggtggc	79380
acacatttgt	agtcaggagg	ctgaggcagg	agaattgctt	gaatccagga	ggtggagggt	79440
gcagtgagct	gagatcccac	cactgcagtc	tggcctgggc	gacagagtga	gatgagaatc	79500
tgtctcgaaa	aaaaaagtta	tgaatgtttg	ataaactata	tttgtttagaa	tgtttgttgt	79560
agaatactat	tcattgattt	ttaaacaatg	ttagattaaa	ccattcactg	gatttgtgat	79620
aattaactta	ctgattttac	ctcactgatt	tgttgtaatt	aatacaactg	gtataaaaag	79680
actgtgacga	ggccggggcat	ggtggctccc	gcctataatc	ccagcacttt	gggaggctga	79740
ggcaggcgga	tcacctgagg	tcaggagttc	aagaccagcc	tgaccaacat	ggtgaaaccc	79800
catctttact	aaaaatacaa	aattagccgg	tcgtgggtgg	gcatgcctgt	aatcccagct	79860
cttcgggagg	ctgtggcagg	agaatcactt	gaacccggga	ggtggagggt	gcagtgaagc	79920
gatatcgcg	cattgcactc	cagcctgggc	aacaagagcg	aaactccgtc	taaaaaaa	79980
aaagaaaaaa	aacacataaa	acaaaacaac	actgtgacgg	ttcccaaaaa	ttaggagcat	80040
aattaaagga	actcctgata	aaaatttaatt	ttatcttaca	tgtaaactaa	aatgacttta	80100
tgaagttaat	tcagaaatac	aatgcagggt	attagtttgc	cacagctgcg	tattcagcct	80160
aatgtaatat	tcttgttatt	tttaaattct	tcttttaact	ttactcatat	gtggatcatc	80220
aaatttcaaa	agattaaatg	acaatactct	tagcagaag	cttccctaag	catataaaca	80280
ttttaatggg	tgatgattca	gaaggtaccc	gaagaatatg	tactgccaga	tatcattcac	80340
ccccatatac	ctgcccagaca	gacatcccat	tttgggaccc	tggataaatg	tgtgggtgga	80400
gagaaagata	ggagaaaagt	gtataagcaa	atggctttgg	agtctgattg	acagcgattg	80460
aaatctctgc	tctacctctt	aacagcctca	tgatcctaca	taagttaccc	cgatcctcag	80520
ggccacatct	gtaaattggg	ggttgcgatg	gcagccatct	cacagggtct	cttttcgggg	80580
aagggcagga	attatggatt	aagtgagcta	gtaattgtaa	agcacttaat	acaaggaggg	80640
cgcataataa	gtacttcata	aataatgacg	gccattatca	tgactgagggt	gtatgcagct	80700
gtcggggatt	acggcgactt	cagaatttct	ggtgggcagg	gctcaaaggc	agcaaatac	80760
actggaagtc	gaggtgaggc	actgcttctg	cacagactgc	ttagctggag	agaatgagga	80820
aggcttagag	gagatttaga	ggaacttaga	gtcctccgcc	tccaactctg	tgggatctgc	80880
tcccggtgca	gagacattca	ggggatttct	cgcactctcc	cctccccctac	gtccctcccg	80940
ccccatccaa	ctaaccacac	aacacataca	aaatagcccc	tgcgagggtc	tgcacgctgg	81000
aagggaaacag	gagaagggcg	ctgcgctttc	ttgctgatgc	cctgtacttg	ggccccctgg	81060
agacacagcc	acttgtcccc	tcagcctgca	gagaaatccc	acgtagaccg	cgcccggttc	81120
cttggttcca	gccaatctcc	ctttggtggg	ggtgggatgc	acgatccaag	gttttatttg	81180
ctacagacag	cggggtgtgg	tccgccaaga	acacagattg	gctcccgagg	gcatctcgga	81240
tccctggtgg	ggcgccgctc	agcctcccgg	tgcaggcccc	gccgaggcca	ggaggaagcg	81300
ggcagaccgc	gtccattctg	cgccagctca	ctccggaagt	ccggagcctc	tgccagcgct	81360
gcttccgctc	agtcgcctg	gacgcgtgt	ccttaactgg	agaaaggctt	caccttgaaa	81420
tccaggcttc	atccctagtt	agcgtgtgac	cttgagcagt	tgactttatt	tttcagtgcc	81480
tagttttcca	gataccagga	ctgactccaa	ggactattac	tcatctggag	ggttttagcac	81540
agtaccgtgc	catagtaaat	ttccatgtca	gtttttggtta	cctttcatgc	acttgcaaac	81600
atgccaatgc	ctgaaacgaa	ataggcacat	cttttttttt	ttttttttta	aggagtcttc	81660
ctctcgccca	ggctggagtg	cagtggcgcg	atccttggtc	actgcaacct	ccacctcccg	81720
tgttcgagat	tctcctgcct	cagcctcctg	attagctggg	actacaggca	tgccacgacg	81780
cccagttaat	ttttgtattt	ttagtagaga	cggggtttcg	ccatcttggc	caggctgggtc	81840
taactcctga	cctcagggtga	tctgactgcc	tcagcctctc	aaagtgttgg	gattacaggc	81900
ataagccact	gcatctggcc	agaaatgaaa	taagtaaatc	ttttaacctg	ctctaacaat	81960
atagtgaaaa	gaccatatta	ttattagagc	aggttaaggg	atttgccctat	ttcgggttct	82020
agttatagtc	ttaaacttgg	acattcttgt	agaaagtaaa	aagtttcctc	ttcaaagttc	82080
cccttcttgt	taaagaatac	atcataagtg	ttagaagtaa	tagttttatt	ttaaagactaa	82140
ctttcttcaa	gcctccttgc	tttgtgctaa	taactctttg	ttaagcccta	tcctatgtaa	82200
ctggttgaca	tgctcacagg	cacgttccag	ttcacagcct	atgccccctc	cttatttgga	82260
aatgttattg	cttccttaaa	cctttcggtta	agcaacttcc	tctccttctt	cgttcttctt	82320
tgcacttacc	tatttagaaa	gttttaggct	attagcaaat	cggctatcag	tttaagagtg	82380
tgagggtccc	ctccagccaa	tggatgcagg	acatagcagt	gaggacgacc	caaatgcgta	82440
agggataaat	atgtttgtct	ttcctttgtt	cagggtgtgt	ctcgacatcg	ttccattctg	82500
gattgagcac	cctttctgca	gaaagttaag	attgccttgc	tggagatctt	ttgtctccgt	82560
gctgactttt	cttcgtggca	ccgattatct	atttctaaca	attttggtat	ttctaacatt	82620
ctgaacaatc	ttgggctagt	tgtctcttct	gggcctgttt	ccccatccgt	cacatgataa	82680
acttcatttg	tttaaaaaacc	ccagcgaaca	tttattgagt	tactattacc	ttcctgcctt	82740
ccccaacccc	aacccccagg	agcagttaca	ctccagccg	ctgagcgcac	tcgcccgggtg	82800
ttaagaagca	ccaaagacag	ggaggcttga	ttgattttgc	tttgggagta	gagggtcaga	82860
agattcacag	gaaaatggca	tttgagcaag	gatgattcac	tggagctagc	ttttaaatat	82920
tggcgaggct	tttatgttgc	agtcctttac	aaagttgagc	attcgagggg	actgcactcc	82980
gaaataagcc	cgttccccct	tttcattcgc	taatgatcca	gggagctgct	ggttccgcat	83040

gcggcaggtt	gtgccttttc	ctaactcagg	ttctgcatcg	cctcgaaccc	gcaggccgtg	83100
gcggttctc	ctgaggaagc	agggactggg	gtgcaggggtg	aagctgctcg	tgccggccag	83160
cgctgtgag	caaaactcaa	acggaggagc	aggaggggtc	gagctggagc	gtggcagggg	83220
tgacctgccc	ttttagaagg	gcacaatttg	aagggtagcc	agggggccga	agccggggac	83280
ctaaggcccg	ccccgttcca	gctgctggga	gggctcccgc	cccagggagt	tagtttttga	83340
gagactgggt	ctgcagcgct	ccaccggggg	ccggcgacag	acgccacaaa	acagctgcag	83400
gaacgggtgc	tcgctccagg	cacccagggc	ccgggaaaga	ggcgccgggt	gcacgcgcgg	83460
gtcacgtggg	cgatgcgggc	gtgcgcccct	gcacccgcgg	gagggggatg	gggaaaaggg	83520
gcgggggccg	cgcttgacct	cccgtgaagc	ctagcgccgg	gaaggaccgg	aactccgggc	83580
gggcggtctg	ttgataatat	ggcggtctga	gctgcctggg	catcccaggg	aggcggtggg	83640
gcccactccc	ggaagaaggg	tcccttttcg	cgctagtgcg	gcggccccc	tggaccggga	83700
agtccggggc	ggttgctgaa	tgaggggagc	cgggccctcc	ccgcgccagt	ccccccgcac	83760
cctccgtccc	gacccggggc	ccgcatgttc	cttcttccgg	cggaaaggta	gctgaggggg	83820
cgccggccgg	gagtcaggcc	gggcctcagg	ggcgccgggtg	gggcaggttg	gcctgcgagg	83880
gctttcccca	aggcggcagc	aaggccttca	gcgagcctcg	acctcggcgc	agatgcccc	83940
tgagtgcctt	gctctgctcc	gggactcttc	tgggagggag	aaggtggcct	tcttgcgcga	84000
ggtcagagga	gtattgtcgc	gctgggttcag	aagcgattgc	taaagcccat	agaagtctct	84060
gcctgttttg	ttaagaacag	ttcttaggtg	ggggtagttt	tttttgtgtt	tctttgagga	84120
ccgtggatca	agatcaagga	aatctcttta	gaaccttatt	atggaagtct	gaagtcttca	84180
aatgttgagg	gttttatgtc	taaaagcaac	acgtgaaaaa	attgttttct	tcaccagtgt	84240
ctgtcttcca	atttctctct	tggggggagg	ggtagttact	gctgttacta	aaataaaatt	84300
acttattgct	aaagttcccc	aacaggaaga	ccactacttt	tgatgacttt	ggcaagtttg	84360
ctaactactg	gaaccctaac	ttacaaacga	actacttaca	tttttgattt	ccagtgtgat	84420
tacctgcccc	atgtttacgt	agaaacagct	taattttgat	tctgggtaac	gttggtgcac	84480
ttcattaaaa	atacatatcc	gaagtgcgca	agtatgggtc	tgtggacagc	agtgattttt	84540
cctgtcaatt	cctgttgctt	cagataaaat	gtaccagaca	gaggccgggc	gcggtggctc	84600
acgcctgtaa	tcccagcact	ttgggaggct	tggcggtggg	atcacctgag	atcgggagtt	84660
caagaccagc	ctgaccaaca	tggagaaacc	ccgtgtctac	taaaaataca	aaattagcca	84720
gggtgggtgg	gcctgcctgt	aatgccagct	acttggggag	ctgaagcagg	agaatcgctt	84780
gaacctggga	ggcgggaggt	gcggtgagcc	gagatagcac	cattgcactc	cagcctgggc	84840
aaaaagagcg	aaactccgtc	tcaaaaaaaa	agtaccagac	agaaatgggt	tttgttttct	84900
ttttttgttt	tgagacggag	tttcgctctt	gttgcccagg	ctcgagtgcg	atggcgcgat	84960
ctcagctctg	gctcactgca	acctctgtct	cccaggttta	atcgattctc	ctgcctcagc	85020
ctcccaagta	gctgggatta	cccagtcctc	accatgcccc	gctaattttt	gtatttttag	85080
tagaaacggg	gcttcacat	gttaggctgg	tcttgaaccc	ctgacctcaa	gtgggcctcc	85140
cacctcgggc	tcccaaagtg	ccaggattac	aggcatgagc	caccgcgggc	agccagaaat	85200
gggtttttgga	aaaagcacta	aacaaaatcg	aacttgggtt	catatgacag	ctctgctgct	85260
aatgtgaaca	ggggcagacc	agttaacctc	cttttctgtc	ttctgtcagc	tgagaattag	85320
atgatcccca	aaggccactt	gaactctgaa	tgactttaaa	tacttcttct	taagtgggta	85380
cacggttttg	gtaactgatg	ccagggtgat	aatgcatgaa	agtgtttaat	gaatgaaacc	85440
ggtaaaatag	taggaggaag	ctttattggg	aaggcagggg	tatacctaata	agctctctaa	85500
tttattggta	ttgaagtggg	taacttttgt	ttttttaagg	ggggaaaaca	ttctaagaat	85560
aatgaggcaa	actgcatatt	gcacaagaga	ctgttgtctc	tattcaacaa	ataccttttg	85620
agtgtccaga	gtctgccagg	tgctgtgcta	ggccctcacg	attgagtagt	gaaccagaga	85680
atgtccctgc	acccatggag	cttattgtct	actggggtag	acagataata	aataagcaaa	85740
caaactctct	ctcttctccc	tttcgctcca	tgtaagtgtg	tgtgtatagg	tgtatactta	85800
caagttagag	aaagtgttat	gaaagattaa	gaggagaaat	gcattttggg	tagatgttag	85860
aggactcagc	aggtgacctt	gaaacttaga	gctgaaggat	cagtaggagg	taactagaga	85920
ggccagggaa	tcgcatgttc	aaaggccagg	aggcaagaaa	gagcatgggt	cccttcaaga	85980
gaggaaagaa	ggctactgtg	actggagcat	agatgtaggc	aagtgttggg	tgattgagag	86040
ctctacgggc	catgggttag	ttttattcct	aatgccgaga	tgccaaacat	gggtgttcat	86100
atctgtaate	ccagtatttt	aggaggccga	ggcaggaata	tagcttgaac	ccaggagtct	86160
aagaccagcc	tgagcaacat	gagacctgta	caaaaacatt	aaaaaattgc	tgggtatgat	86220
ggtgcacacc	tgtggtccca	gctactcagg	aggctgaggc	agaaggatca	cttgagccta	86280
ggaggtggag	gctacaatga	gccatatttg	agtcactaca	ctccagcctg	gatgacaaag	86340
tgagaccatg	tgtcaaacaa	aatacagaaa	gaatattaat	ttaaaatttt	gaaagaggag	86400
tgatctgaac	ttatatctta	aaaagatcat	tctagggcac	gggtggctcat	gcctgtaate	86460
aagggtcttg	ggaggctgag	acaggaggat	cacctgaggc	cagtttcgaga	tcaacctgta	86520
cagcatagag	agactccatc	tctacaaaaa	gaaaaaataa	atagctgggt	gttgtgagtt	86580
attcaggagg	ctgaagcaga	aagatcactt	gagcccagga	gtttgaggct	gcagtaagct	86640
atgatcccc	cactgcaaca	cagtgcagtc	ttgtctcaaa	aaaaaaaaaa	aatcattcta	86700
ggtgcttttt	ggaggctgga	tgtggtaaga	gtagaagctg	gagatgggtc	tgttagggat	86760
tcgattcaga	ctttaaatac	catcaatgca	tgtagctcca	aatttacatc	actacgttgg	86820
atccttgccc	ctgaatccag	actggtatat	ccaactttag	gttcagtttg	tatctctacc	86880
tgaccaatat	agaggtgtcc	agtcttttgg	cttccttagg	ccacattgga	agaagaattg	86940
tcttgagcca	cacatagagt	acactaacgc	taacaatagc	agatgagcta	aaaaaaaaatc	87000
gcaaaactta	taatgtttta	agaaagttaa	cgaatttgtg	ttgggcacat	tcagagccat	87060

cctggggccgc	gggatggaca	agcttaatcc	agtagatacc	ttcaacttac	aatatctaaa	87120
atthttatgcc	agattttagtc	atthttaaacc	tgctcatcag	tttttctcaa	gaagtagtat	87180
tttggtctttt	tttcttttct	tttttttgag	atggagtttc	gctcttatcg	ttcaagctgg	87240
agtgcagtg	cggatcttgg	ctcactgcaa	cctccgcctc	ctgggttcaa	gtgattctcc	87300
tgccctcagcc	tcgcaagtag	ctggaattac	aggcatgcgc	cacccatgacc	agctaatttt	87360
tggagacagg	gtttcaccat	gttggtcagg	ctggttttgt	actcctgacc	tcagggtgatc	87420
tgccctgcctc	ggcctcccaa	aggctgggat	tacaggcatg	agccaccgct	cccggctgca	87480
tttttgatt	tttagttgct	cagcccaaaa	ctttagtaga	tctttgaacc	tcttctttcc	87540
tcctactcta	tatctgatcc	atcagcaaat	ctgttaggtc	tacctcacac	atatacgaat	87600
cctaccacgt	ctcaccatct	gtgacaatta	acaccctggt	ctaggcagtc	atctctgtta	87660
agattgagtg	gttaaggatg	tcctctaagg	agatgacatt	caaactcttag	cttaaatgtc	87720
aagagggagc	tggttttata	aagattgagg	aggcagcatt	atthttgccat	aggcttccat	87780
ttgggtttcca	ttccattctt	gatacttatg	gtatatattc	aaaacaaatg	cacagaaaca	87840
gaccaggtta	tattgggaat	ttcggatata	gagttcctag	ttgggaaaag	atagactgat	87900
ctgtaaatga	tgctagttat	ccatcatctg	gcaaaaaata	atthctctgcc	tcctctcata	87960
tatctcagat	caacagactt	tttctgttaa	gggccaatc	ataaatattt	taggctttcc	88020
agaccatatg	gtttctgtca	cactctcctt	tatccttgaa	gccatagaca	atatgtaaac	88080
aatgggcat	ggctgtgcta	cgataaaaact	ttactttaca	aaactggtag	tgggccaagt	88140
taggcattggc	cagcaactttg	ggaggctaag	gcagatggat	cacttggggg	caggagtttg	88200
agaccagcct	ggccaacatg	gtgaaaccct	gtctctacta	aaaatacaaa	aaatagctgg	88260
gcatgggtgg	gggtgtctat	aattccagct	actctggagg	ctaagacaca	agaatcactt	88320
gaacccagga	ggcagaggtt	gcagtgcagc	gagatagcac	cactgcactc	cagccagggt	88380
gacggagtct	taaagcaaaa	caaaacaaaa	ggtagtgggt	tgtattttggc	ccatgggctg	88440
tagtttgcca	atccctgatg	cagaaacaaa	ttccaggtaa	ataagagcct	ggaatgttaa	88500
aaaaacaaaa	cttgaagtca	tgtagaagaa	caggtagggg	gaacaatcct	gatctcagga	88560
taggaaggga	tattgcttaa	aataagacac	aggaaaatat	aatccatgtt	gtgtaaattt	88620
gactacgtta	aaacttaaaa	ctttcgccaa	gcgcggtggc	tcacgcctgt	aataccagta	88680
ctttgggagg	ccgaggtgag	cagatcacca	ggtcaggaga	ttgagaccat	cctgggctaac	88740
acggtgaaac	cccgtctcta	ctaaaaatc	aaaacattag	ccgggcgtgg	tggcgggcgc	88800
ctgtagtccc	agctacttgg	gaggctgagg	caggagaattg	ccctgaaccc	gggagggcga	88860
gcttgacgtg	agctgagatc	gcgccactgc	actccagcct	gggcgacaga	gtgagattcc	88920
gtctcaaaaa	aacaaaacaa	aacaaagcaa	aaaacctaata	actttcatac	aataaagtat	88980
acctaagata	cttctagaag	agaagattta	catccaggac	gtgtatggaa	tttctgcaag	89040
taataagtaa	aagacaaggg	acatgaagag	gcagttcaca	aaagaggaag	ccaaaatgac	89100
caataaacat	gaaaggatgt	ttaacctcaa	aggaaaacaag	gaaatgaatt	aaaaacatca	89160
aatgccattt	caaaactagt	aagttaggcaa	aattaaaaat	accaaggatg	agaatatgaa	89220
gcatggctat	atgagtgcac	ggaatggtac	agtcactttc	attaaaaatg	cacataattt	89280
gtttttttat	tatttttttg	agacagtcta	tgtcgcgccag	gctagaatgc	agtggcatga	89340
tctcggctca	ccacaactc	tgctcctggg	acgcccgggt	ttctcctgcc	tcagcctcct	89400
gagtagctgg	gattacaggc	acatgccaca	gtctcgaact	aaagtthtga	tttttagtag	89460
agacagggtt	ttgccatgtt	ggccaggctg	ccaatgctcc	cctgacctca	ggtgagctgc	89520
ttcccaaagt	gctgggatta	gaggcgtgag	ggcttatcct	tggctgaaaa	aaatgccacat	89580
aatttgttac	ctagcaattc	catgtctaga	gtttatactg	agagaaattc	ttgcttatat	89640
gcataggaaag	acgtgtacta	gaatgttcac	gttaaaggat	tttaagtga	aatttaggaa	89700
taaagtaaat	gttcattaac	aggaaaatga	tgaactagaa	atthataaaa	caattaaagta	89760
gctaaaatga	ataaactaga	gctgcgtgaa	atagagtgtc	ctgggttcaat	agtcagtgtca	89820
gattattgaa	tgaatacagg	tcagatatgt	tgcccaggct	atthgtgtaa	ttatthtttt	89880
tttttttttt	gagatggagt	ctcactctgt	aaagtgtatc	ggagtgcagt	ggcgtgatct	89940
cagctcactg	caacctccac	ctcctgggtt	cccagctcat	tcctgcctca	gcctcccag	90000
tagttgggat	tacaggcatg	caccaccatg	ttgaactcct	tttctatttt	ttagtggcca	90060
cagggtttca	ccatgttggc	caggctggct	gcgtgagcca	gacctcaagt	gttccaccca	90120
acttggcctc	ccaaagtgtc	aggattacag	taaaaaaat	ccgtgctcag	ccatttgctg	90180
gattttttaa	gatgtgcaga	ataatgccat	ctgtaatccc	acacatacat	gtatatatat	90240
acacgttttg	ctgggtgtgg	tggctcacac	gactagcctg	agcacttttg	gaggctgagg	90300
caggaggatc	acttgagccc	aggtgtacaa	gtggcatgag	ggcgagatag	caagacccca	90360
tctcaacaac	agaaaggata	attaggtatg	gcctggacaa	aggatcactt	gagcccagga	90420
gttcgagtgt	tatcaggcca	ctgcactcta	ggtcatagtc	caaagcaaga	ccgtgtctca	90480
aaaaataaaa	aataaaaagt	atthgtatgt	ttttttaaga	aaaaaacgta	catgggaagga	90540
aatgtctttt	atthatttat	ttattttttt	tcaccgcaat	cagagtcttg	ctctgtcacc	90600
caggctgggg	tacagtgggtg	taatctcagc	tgggactaca	ctcggcctcc	cgggttcaag	90660
cgattcttct	gcctcagcct	tctaagtagc	ggttcaccat	ggtacccgcc	accacacctt	90720
gctaattctt	gtgttttcag	tagagacagg	ggcctcccaa	gttggcaagg	ctggctcga	90780
actcctgacc	ttaagtgagc	caccgcctt	atthtagtaag	agtcctggga	ttacaggtgt	90840
gagccactgc	gcttggccag	gaaatatcta	aagtctatgt	tatttatatc	tgggaaagga	90900
agggtcagg	ggtgattcat	aggaactcta	tgttgagttg	ataatactta	gggggacaga	90960
aggaaataaa	gcaaaatgct	gatatttgat	gttttttaggt	tgtatatgtt	agaagtataa	91020
cataggagat	ctgattgata	gtaggagaat		ggtaaaagt	gaaccgtggt	91080

ggtttggttt	ggcagtagaa	tcagttgggtc	atagtttggta	tgtggaaggt	aataaacaga	91140
ccatgttaag	gatgacttcc	ggaatttttgg	tctgagtagt	gggtggatga	cagtggtcatt	91200
catgagggaa	gatgaagact	gaggttaggaa	caggttttggg	agaagatgac	atgttccctt	91260
ttagacaagt	ggaatttatgg	aagatggcag	gtaggttgggt	agctatatga	atttgagata	91320
aaagatttag	gatggagata	taaatttagg	agtaacagcg	tatctatggt	attgtaagcc	91380
ttaagaaatgg	gtaggatcag	ccaggaaata	cagatgtata	tgcagaagag	aggagtcaag	91440
gaagccaaga	caagttaatg	tttaaagtga	gtgatgtagt	ccatgggcag	atgctgctga	91500
gagggctgca	aacaccagtg	accctacaac	atttttaaat	gtcgtcttcc	tgacagcagt	91560
gatcagtagc	tgcaacgatc	ttattttattt	ttttcatggt	agtctccaca	cacttgaatg	91620
tagacttttt	gaaggcaaaa	tcattgcctt	ttctgagctg	ggagcatgtc	tggcacatac	91680
caagcactca	acagttgatg	tattgacttc	atccagatac	tctgagggcg	agttatttcc	91740
tgctactagc	ctttcacctt	tcaatgttta	agagcacaaa	tacagagatg	ggcacgtttt	91800
ggcattttctt	attttgataa	ccttttcctg	gtaagatttt	ttaatgttga	aaaaaaaaaa	91860
caagaaaaga	gggttaaaaa	tagtcttatg	tcagatcctg	tgatagaatt	cacacttggc	91920
ttaagctgct	gggcaccttc	ctatcttgga	tgtcatatta	gcttatctac	agcagaattt	91980
ttactgtttt	atgtagttaag	gaagcaatta	tatgattatt	ttacagacaa	attattcttt	92040
atctttttatt	tttttagacg	gagtctctct	ttgtctccca	ggctggagta	cagtgctcgcg	92100
atctcggtc	actgcaacct	ccgcctcctg	ggttcaagca	attctctgcc	tcagcctccc	92160
aagtagctgg	gcttacaggt	gtccgccacc	acaccagct	cattgttttg	tatttttagt	92220
agagatgggg	tttcaccatg	ttggccaggc	tggtcttgag	ctactgacct	caggtgatcc	92280
acccgccttg	gcatcccaaa	gtgctggaat	tacaggcgtg	agccaccgtg	cctggcccag	92340
acaaattatt	atactctgag	tgtagaggc	ttaggatgtt	ttcacttgat	gctatgggag	92400
gaataagtaa	taagatatga	tacacaacca	aagacctttc	ttcactatgc	ttctagtagc	92460
tagtactatg	gatgacacat	ggtaataata	ttggttagca	ttgtctctca	atttactgtg	92520
ctagtctact	ttctaagccc	cttacaggta	tatatattttt	ttcatcaata	atcctctaag	92580
gtagttttta	ttattgacct	aatttttataa	atcaagaaaa	ttaagacca	gagaagtaag	92640
taacttgtcc	aagatcacat	ggcttataag	tggtagagcc	agaatttgac	cccagatgtt	92700
gtgactacat	tgtctctcca	taagcaggtt	caactctttt	gactggatgc	tgttccaagg	92760
tcacttccct	agagaagcct	ttgctgacaa	ctaccctcct	gtgccctcct	ccaaggctgt	92820
ccattgttct	agaactttga	atactcatct	tagaataaag	ctgggtctaat	ttttacagt	92880
ttatagaatg	gatctctgac	tgcaaaagtt	ggtcataatt	atctttttat	gttctagtga	92940
aaggcaaaaga	acaagagaag	acctcagatg	tgaagtccat	taaaggtaag	ttctgccctt	93000
ggcagtcacc	tgcatataaa	agtgatgtgc	tttgcatttg	tgagttcttt	aatcctgtta	93060
tactctctct	tttggcatta	atcattttctg	ccttattttta	taattactta	tgattttgat	93120
ttatttccct	cttttaacctg	tataatgctt	taacatctag	catataataa	gtaggctttt	93180
tttttttttt	tttttttgga	gacggagtct	tgctctgtta	cccaggctgg	agtgcagtgg	93240
cgcgatcttg	gctcactgca	agctctgtct	cccgggttca	caccattctc	ctgcctcagc	93300
ctcccagaga	gctgggacta	caggtgcacg	gcgccacgcc	tggttaattt	tttgtatttt	93360
ttagtagaga	cagagtttca	ccatgttagc	cagtatggtc	tcgatctcct	gacctgttga	93420
tccgcccgcc	tccggcctccc	aaagtgtcgg	gattacaagc	gtgagccacc	gcacccggcc	93480
gtaagtaggc	tttttttacc	tttaattttat	ttttttgaga	tgaggtcttg	ctcttatccc	93540
caggtctggag	tgcaagtgggtg	ccatctcggc	tcactgcagc	atccacctcc	cgggttcaag	93600
cgattctcct	gcctcagcct	cccagtagc	tgggtaccga	gggtggccgcc	accatgcccc	93660
gctaattttt	atgttttttag	tagagacagg	gttttcacctg	gttggccagg	ccagtctcaa	93720
actcctgacc	tcaagtgate	cactcgcctt	ggcctcccaa	agtcctggga	ttacaggcgt	93780
gagccaccat	gcctggccat	aagtaggctt	ttactgagcc	ttgtgtgtat	tggttatcct	93840
agtgattaca	gtgaaccagt	gcccttctta	ttaatcacac	atttaattgt	tccttaaaag	93900
tgatttagttc	actttatttta	tttagtaaga	caaaaaatga	agaataactct	taactgagca	93960
gtctgttaac	tgtaggaaaag	cactgacact	tataaggctt	agttttctgt	catttatcca	94020
gaagtatggt	tgattacagt	ttttactttt	ttatttgaat	gaacaacctt	aatttaaaat	94080
atattttgtt	tattttttgt	tgggatcgat	acattgtcct	tgtttataga	ttagagcatg	94140
cttttttaaag	atgctgtatt	actcactgat	tttatttgtc	cagtgtacag	agattgaagt	94200
gggaaaaatta	taattggaaat	tgtttccata	gtcattacat	attaatttca	tcaattttatt	94260
tccataaaat	ctgtagattg	ctacttattt	agatttttcc	ttcaaagtgt	tttatgttgt	94320
attgcttgca	ctgagtattt	attctatatg	ctcaatttgc	tggagaagaa	gactaattat	94380
aacttaggca	agttgtaaaa	ttagggaaaa	aagtaaggta	ccttacagcc	tagtttactt	94440
atttcttatg	taaagccagt	tagattccac	attagtcca	actgccttct	ttgagcaaaa	94500
cttgattggc	agtgaataag	gcttaaagcc	cttctcaagc	agagacctgt	aaagcataga	94560
tctgactgta	gtagaaggaa	ggaacttaga	tgtttcaggc	agtgagaaca	ccagtcttcc	94620
actctaaact	ttgccactaa	cagtatgacc	ttgggaagtt	gtaactttct	tcagattctt	94680
catttggttga	atgggggggat	tggcctagct	aatttctaaa	tctctactgg	gctaaaaaat	94740
tctgtgctta	tactctgatt	atgaagtaca	taactctgtc	ttaacatttc	ctgacttatc	94800
cttaggataa	tacagaagca	gtacaagaaa	cagcccccca	agatgtttgc	agctcggtta	94860
gaaagacaaa	cttatacaca	gaacagtagc	aaatagacca	aaataataat	agctgccatt	94920
tatagaacac	ttcttctgtt	ctgggcatta	gacaaaaact	gactataacg	gtgaacaaaa	94980
aagacttagg	tcttgccttc	attgaactta	cagattagta	ggggagagga	acattaatca	95040
agtaattcca	cagatggcct	agcctagatt	ggtagtgatg	gaagtaaaga	gatgtgaacg	95100

gacttgaaaa	aaaattcggg	ggcaaaatgg	atagaagttt	attattgatt	aaatatgagg	95160
tgtgagagag	agggatattt	aagattgata	cctaccttct	ggcttgccct	acagaaccaa	95220
aacaggaaat	tatatgttca	gttttgttat	gttgggtggg	aggtgctttt	gagtcattca	95280
tttatatatg	ttatatatgt	tattttatat	gcatagtaat	tttaaggctc	gagttttaaa	95340
ccaaagggtt	gagagtgatt	tttttagagtc	tagcaaacct	aagttgaaat	cctgcctggt	95400
gaaatggctg	tttactagct	cattaacctt	gggcaaaagta	ttcaacttgt	tttcattttt	95460
gtcttcatct	ctaaaaatgag	gaaaatatgg	tcttacaaga	ttgtcctgag	agatagatga	95520
aataatatcc	aaaaaaaaaa	aaggtacata	gagaaactcg	tatagtgcct	ggtatatagt	95580
aggtcctcca	ttggtagcta	tcattatcta	gttttaacat	agccttcagt	ttgttgaaat	95640
agtcaaactg	agtgaagcac	tgcaaggaat	tcagaggaat	ttgagatcaa	caaatgattt	95700
ctgaagttaa	gggaagactt	catggcaatg	acacttacct	tgtataaaa	ttgaagaata	95760
agaaagattt	gaatgagaga	ttctttctct	tctccctacc	agcccagctt	cttatttgag	95820
gatatattgg	gcaaaggggc	cttcagacaa	gtagagggag	atttttacag	aaagattgag	95880
atgaagggtat	agaaggctgt	aaagaccaga	aaagagaatt	gagacagagg	aagcaggaag	95940
ccactgtagg	tttttgagca	agatattgat	gctgtaagta	tggtgtttat	gaaaggttag	96000
tctggaagag	atttgcagga	tggagacccc	ggaagttttt	ttgttataat	acagaaagac	96060
ttgcactgag	ggtgaggtgt	taaaaataaa	caggtaagta	aatgtttaaa	catcttgaag	96120
gaaaagtcaa	caaatcttgg	caagtaaaaca	gataacagtg	aaaaagaatg	ggaccaagat	96180
tttgagtttt	gggagactggt	ggattgaaca	gacagggaaa	ttgagaggag	aatcagatga	96240
tgatgtttta	agttgatatt	tagacagatt	gtgcttgaga	tggtaaagtc	aatgtgggtg	96300
ggaatgcctt	gtagcgagta	atcagtgata	caagaccaaa	gcccaggtca	aagcaagtc	96360
acagatacag	atcagggtct	tttcatctgc	tccacagagg	tgtaccctag	gagctgttgc	96420
aaacagtgca	tgtggagggt	gtgagtaaga	tgtttccctt	gaatttgcca	gaattacttt	96480
tttgttgttg	ttgttgtttt	ttctgagaca	gattctcgct	ctgttgccca	ggctggaggg	96540
cagtggcgag	atcgcgagc	tcactgcaac	ctctgcctct	cggttctcag	tgattctcct	96600
gcctcagctc	cccaagtagc	tgggattaca	ggcttgtgcc	accaagccca	gctaatttct	96660
tttgtatttt	tagtagagat	gggttttcac	catgttgccc	agactgggtc	cgaactcctg	96720
gcctcgtgat	ctgcctgcct	cagcctccaa	aagttctggg	attacaggcg	tgaaccactg	96780
caccgcgtcc	cttgtttaagt	ttattttggt	gggaagcaaa	ggagggtttca	gcttttaaaa	96840
agtttgaaaa	ttattgtctc	ggtataaatt	aaagatttga	gagtaaatat	gctttctagc	96900
agaaagaata	aaagaagaac	agatagcctc	aagaagggga	gccaaagaag	caggctatat	96960
ctgacacact	gggtgttgat	aaatgggtat	taaaagaatg	agagcaatga	gcagatagaa	97020
gaggaaatta	ggagagtata	ataccatgga	gaccaagaaa	gatagactat	caggaaggag	97080
tggtaaaaat	aagttactag	ttctaagaga	gatgttaaga	gggaccgggg	aaagccttgt	97140
acaaatgagt	tagtagcatt	ttacattata	tacatctaata	taagaaacaa	tgcagagatc	97200
tcaccattcc	tatagactct	tacttgtact	tgtctgaaca	cgaaaactgg	cttttgttta	97260
taaataagct	aaaaattatt	ttgctccaat	ttctcatgaa	aataaaaaata	aaccttcttt	97320
taacattgaa	aaaatagttt	gaagacagtc	actcttcatt	ttgtaattcc	cacaactatt	97380
attgaatgac	tgaaattatc	tttattctga	agccaaaggg	gtgatactga	tatttcttca	97440
gactactaaa	aatatatttt	atgaattttt	agtggtgctt	atcttttttt	gttttttttt	97500
ttgagatgga	gtttcactcc	cgttgctcag	gctggagggc	agtggtgcaa	tctcagctca	97560
ctgcaacctt	cgccctccag	attcaagcaa	ttctcctgcc	tcgggtctccc	aagttagctgg	97620
gattcacagg	acctgcccc	acaccagctc	aattttttgt	attttttagta	gagacagggg	97680
ttaccattgt	tggtcaggct	ggtcttgaa	tccctgacct	aggtgatcca	cccaccttgg	97740
cctcccaaag	tactgcgatt	gcaggcatga	gccaccatgc	ctggcctgag	gaatattttt	97800
ctaggttccc	cccaccccaa	gcatttatct	tgcaatttta	gttttgttcc	taaagcaagc	97860
aagggtttaag	gatttaaaaa	taatccgtat	tttagaatgc	tttctggctt	tgttactttt	97920
tatccacagt	agaagtctct	agagaatgat	ctccctcttt	taattttaact	ttttggcaca	97980
gtattttgag	aattataaat	aatattagaa	tgttttctgg	ctgggtgtgg	tggctcatgc	98040
ctgtaatcct	ggctacttgg	gaggctgagg	caggagaatc	acttgaacat	gggaggcaga	98100
ggttgcagtg	agccgagggt	atgccactgc	actccagcct	gggtgacaga	gcaagactct	98160
gtctgggaaa	aaaaaaaaaa	aaaaaaagag	tgttttcttt	cctattttcc	accacttgat	98220
taagttactt	ttcctcttaa	gtattttttg	ctgagtatgc	tgacttaaga	gtaatgttac	98280
aaaattttaat	ttttaaagtt	ctctgaaagc	ccctttatga	gagttttagg	ctatcaaatt	98340
gtgtttaatt	cttaacaatt	ttttgaaaaa	ttatagcttc	aatatccgta	cattccccac	98400
aaaaaagcac	taaaaatcat	gccttgctgg	aggctgcagg	accaagtcac	gttgcaatca	98460
atgccatttc	tgccaacatt	gactcctttt	caagtatgac	gacagccaca	cttaagaagc	98520
agccaaagca	ctcgagggtc	gctcattttg	gtgacctggg	taagtaacta	tcatttttta	98580
tttaacttgta	ttagaaggat	ttgagtacaa	tatgtgaaac	ttctgtcata	ggatacagaa	98640
ctatataatt	ggaaagtgtc	ttggaaaaaa	tgtattttaa	ataacagcta	caagtataat	98700
gggtagctgt	gttgtgttcc	tgtaaatata	gaatataaag	catgcccagt	agaaaaacaa	98760
gcattttccag	aagaaatata	tctgatcact	aaatataaat	atatgaaaaa	gatgtctcac	98820
tttattactg	aggggaagtgc	aaattaaaat	aatcagttaa	tgttctccta	acacatttagc	98880
atattttttta	aagtttgaca	atttgaatgt	cagtgaagat	gcagggaaat	acccctccta	98940
tttagtgata	atataatctg	gtgaagactc	tttggaagac	aatttggaag	tcagtataaa	99000
atatgcatgt	catttaggcc	actctttcta	agacctagcc	ctcagatatg	ctcattcata	99060
tgtgcagggtg	tgtatgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtatatgta	tgtatgtatg	99120

tatgtatgta	tgtatgttga	aggctattca	ttatagttatt	gtttgtgata	gcaaaaaaatt	99180
atggacaaca	tataaatatc	tggtataggg	aaataaccaaa	attgtggtat	acgcatgctc	99240
tggagtataa	tatagccatt	tgtttctatt	tattttatttt	cttgagacag	ggttttactc	99300
tgttgcccag	gctggagtgc	agtggatga	tcattggttca	ctgcagcctt	cacctcctgg	99360
gcacaagcca	ttctctcgcc	tcagcctcca	gagttactag	gactgcaggc	atgtgtcacc	99420
acaccagat	aattttttaa	ttttttgtag	agacagggtc	tcactatggt	gcctaagctg	99480
gtctcaaaact	cctggcctca	agcaattctc	ccacacaggc	ctcccaaagt	gctgggatta	99540
ccaacgtgaa	ccaccacacc	tggttcagt	tagccattta	gaaatctaaa	aaagacgtgg	99600
gaaaatgtct	aaggcatggt	taaatgtgag	aaaagcaagt	cacagtatgc	atggtaaaat	99660
ccgttatatt	aaaataagtt	cttccaaaac	aaaaacatat	gcaggagacc	tttattttgt	99720
cagtatttct	tacccaaatt	tctgcactta	gaaaattgca	tgtcatgttg	tcataagttg	99780
aaaaaaagat	ccatgaacca	atggacttct	aataaaatca	gtcctgcttt	tgacatctct	99840
ctctactttt	gtgtatatct	aaaccagagt	gtcaatgtgt	ttgtggggca	cacttagcaa	99900
taatacatag	cagacaaaat	gcatatagct	cagagagtaa	aattgtaagt	tttgctagat	99960
cactcataaa	ttgctgatga	gaatttaaaa	tggtgcagat	gctctggaaa	acaggcagtt	100020
tctttctttc	tttttttttt	tctttttgag	acagggtctc	actctgttgc	gcaggctgga	100080
gtacagtggc	gtgattacaa	ctcactgcag	cctcaccctc	ctcagggttc	ggtgatcctc	100140
cctcagtcct	ctgagtagct	gggactatag	gcatgcacca	ccacgcctgg	ctaattttttg	100200
tatttttttt	tttttttttt	gtagagacgg	gggtttcgcca	tggtttcccg	gctgggtctca	100260
aactcctgga	atcaagcgat	ccacttgctg	aggcctccca	aagtgcctgg	attacggcg	100320
tgagctactg	tgccctggct	aggcagtttg	tttggtttgt	tggtttgttg	tttattttatt	100380
tgtagacgga	gtctcacagg	ctggagtgca	gtggcccaat	ttttggctca	ctgcaacctc	100440
cgctcccag	gttcaagcta	ttctcctgcc	tcagcctcct	gagtagctgg	gatgacaggt	100500
gcctgccata	atgcctggct	gatttttgtat	tatttttagt	atatgggggt	tcaccatggt	100560
ggctcaggctg	gttttgaaact	cctgacctca	gggttagcag	ccgcctcggc	ctcccaaagt	100620
gctgggatta	caggcatgag	ccgtcatccc	tggtctgggtg	tttcttatga	cgtgaaacat	100680
gcaattacca	tatgacctag	cagttgcact	ctgtattttat	cccagataaa	tgaaaactta	100740
ccttccaata	aaaacctgtg	cacaaatggt	catagcagct	taatattgaa	aaactggatg	100800
ttcttcagca	ggtgaatgaa	ctggttcatt	cataccatgg	aataccattc	agcaataaaaa	100860
aggaacaaac	tggtgatata	tttaaccacc	tggatgaata	tcaagggaat	tatgctgtca	100920
gacaaaaaac	agtccttaaa	gactacatat	agtatgattc	cgtttggtata	atattccttga	100980
aatagagaaa	ttaagagaaa	tgaaaagatt	agtgtttgcc	agatgttaga	gacaggagg	101040
tgagaggggt	aagtgggtgt	agttataaaa	gtgcaacatg	agggatcttt	gtgatgttga	101100
agttgtatct	tggcagtgga	tgcaaaaact	tcaatgtgat	aaaattacaa	agaactaaaa	101160
acaagaatga	gtatagataa	aactggggaa	atctgaacaa	gttagagtgt	tgatcactgt	101220
tcagtatctt	agagtgatata	tgtactatag	ctttgcaaga	tgttaccatg	ggagaaacta	101280
aagtgtacaa	gggatctcta	ggtattatta	ttttttttaga	gatgggggtt	cactatgttc	101340
cccaggccgg	tcttgaactc	ctgggctcta	gtgatccgcc	tgccccagcc	tcctaaagta	101400
ctggaattac	aggcgtgagc	gaccatgcct	ggccctttca	gtattgtatc	ttagaacttc	101460
atgtgaattc	agcattatct	catagaatct	aatttaaaaga	aattgtaaac	ctcacagaag	101520
atcagaattt	cctcaagttt	gtgatgttga	caaagatgaa	ctagttgaca	ctgacagtaa	101580
gactgaggat	gaagacacga	cgtgcttcaa	aaaaatgatt	tgaatatcaa	tggtattaaga	101640
agaactcttt	tgacaaaattg	atgaaaccct	cagtcagttt	tataagaatg	cccatcttta	101700
tgatcatgct	atgaaaagcca	attttttttt	aaatttttttg	tctttcctaa	caattctgct	101760
gtgggtataa	tttaaattta	gttaaatata	agataaatga	tttttttatta	agtttagttt	101820
cattttttcaa	ggtacgatct	caaagctact	ctttaaccta	ctatgaatga	ataatgctga	101880
gttcataaca	tctttgtaga	tatatccaca	attttccctc	aggataagtg	cctacaagtg	101940
gaattactgg	actgaaaata	atgcagtttg	ctaagacttt	gctatctggt	cctgaatgct	102000
cctccaaaaa	ggttttgcca	gtttacatcc	tcattgaccag	cgaatgagag	tggtgcctat	102060
tttctgtgct	ccttggtact	gcttaataat	ttttgaaaaa	aatctaattt	gacagacaaa	102120
aatgcatttt	atgttaattt	gcttttctgg	gatttttaat	gaggttgagt	atagttttta	102180
atatttttat	tggccctttt	ggaactagta	tcataagttt	tttttcttaa	gaatttatgt	102240
agtctgggct	gggcgcagtg	gctcacgcct	gcaatcccag	cactttggga	ggccgaggtg	102300
ggtggatttg	cgaagggtcag	gagtttgaga	ccatcctgac	caacatgggtg	aaaccgaatc	102360
tctactaaaa	gtacaaaaaac	tagctcagcg	tggtggcggg	tgccgtgaat	cccagctact	102420
taggaggctg	agtcaagaga	atcgcttgaa	cccgggaggt	ggaggttggt	tgcatgtgagc	102480
cgagatcgcg	ccattgtctct	ccagcctagg	caacaagagt	gaaaagtctc	aaaaaaaaaa	102540
aaaaaaaaaa	aaaaaagaat	ttacatggct	tgaattgcca	ttaaaagaga	tatgagaatt	102600
attgagtaac	aaataacttt	ttataatttt	aggcaagttt	tggaacgattg	tactttgttt	102660
agaaaccaa	agcatagtat	ttgtagtttt	tttattttact	ttagttgcta	ggaagtaaac	102720
tttattcaag	gtctctggta	ccagttgttg	ctaaaagtga	ttgactaatc	tgtcaatctg	102780
aaattatttg	ttgctgaact	gctaattctt	tgtcttctat	cttttaggca	gatcttgtct	102840
ggactaccag	ctcctcagga	ccaaatcaag	ccttcttaag	acccttgaac	aagtcttgca	102900
cgacactatt	gtcctccgtt	acttcattca	attcatggaa	cttcggcgaa	tggaagcattt	102960
ggtgaaattt	tggttagagg	ctgaaagtgt	tcattcaaca	acttggtcgc	gaataagagc	103020
acacagctta	aacacagtga	agcagagctc	actggctgag	cctgtctctc	catctaaaaa	103080
gcatgaaact	acagcgtctt	ttttaactga	ttctcttgat	aagagattgg	aggattctgg	103140

ctcagcacag	ttgtttatga	ctcattcaga	aggaattgac	ctgaataata	gaactaacag	103200
cactcagaat	cacttgctgc	tttcccagga	atgtgacagt	gcccattctc	tccgtcttga	103260
aatggccaga	gcaggaactc	accaagtttc	catggaaacc	caagaatctt	cctctacact	103320
tacagtagcc	agtagaaata	gtcccgttcc	tccactaaaa	gaattgtcag	gaaaactaat	103380
gaaaagtgag	tatgtgattt	tcttgtgtgt	acatatgtgt	ctcactttct	ttttttaatt	103440
tactaagcag	aacttcagat	gaggaataaa	atgattggaa	tatttttttt	ctcctctaac	103500
tacttgtaaa	tttgggagaa	tttggagagt	gtagtagagt	cagatcagtg	tatggaaaag	103560
gagcaggagt	gactggacct	tctaagaagt	gtgttatcag	aattagtaaa	tgaagggtca	103620
aatgtcctac	ttttcccctc	cactgatttt	gacatcaaac	cattatccac	atagccttat	103680
ttctctccctc	ggtcttaatt	ttattaatat	tttactgcac	tttgcagata	aaatttttaa	103740
aaaatttttta	aaaattgccca	ataagtgaca	tttattaagt	tcagtgccta	gtgtatatatt	103800
ggatttttatt	tattagtcac	aagacctttg	tgcaggtagt	aggcatgatt	atcttttttt	103860
ttttgagatg	gagtcttgct	ctgtcgccca	ggctggagtg	caatggcgcg	gtctcggtctc	103920
actgcaacct	ccgggttcat	gccattctcc	tgcctcagcc	tcccaaatag	ctgggactac	103980
aggcgctcct	caccacaccc	ggctaatttt	tttgtatttt	tagtagagac	gggggttcac	104040
catgtctcgcc	aggatggtct	cgatctcctg	actttgtgat	ccgcctgcct	cggcctccca	104100
aagtgtctggg	attacaggca	tgagccaccg	cgcccgact	gattatctta	tttacacatg	104160
agaaaaccag	ggcttagaaa	ggttaggtaa	cttctcttag	gttgtagagt	aaatgtggac	104220
ctagaagcat	tttgacaaga	gcacctgttt	ttttttcttc	tctattagtt	tagaaattat	104280
atactcttaa	ttatcacctg	ggattttgat	tagacagcct	tcagtgtctt	tttcatctta	104340
aatgttcttt	gtgtcttaaa	gggctaagtg	atttcttcag	atcttttagt	tcactcatte	104400
tcagtgaact	aaaatgaggt	ctaactctgt	actgaatcaa	gttttcagca	tgttatttcc	104460
ttctctccctc	cctccctcct	tccttccctc	aaccaggctc	ccgaggagct	gggattacag	104520
gcgcccgcga	ccactcctgg	ctaattttta	tatttttagta	gagacggggt	ttcaccatgt	104580
tggtcagggt	gatcttgaa	tcctgacctc	aagtgaacca	cctgcctcgg	cctcccaag	104640
tgctgggatt	acaggcatga	atcaccacac	ctgacggcat	gttattttca	tcgcaaagtt	104700
actgtaagct	gggagaagtg	gcacacactt	gtactcccag	ctactcagga	agcttaaggt	104760
gagaagattg	cttgagccca	ggagttttga	gaccaacctg	ggcaacacag	caagacccca	104820
gctcaaacaa	agaaaaaag	ttattgaatt	ttttatttct	atggatcatt	ttttgtagtt	104880
tcttattcct	ttcacccctc	attcccactt	ttgatcccat	cttttattta	tttagtttta	104940
ttaaatgtat	atttgtctga	taattctgct	atctacagtt	ttttgtggac	ctgactcagc	105000
atttctttgt	ttcttcggat	tcagactggt	gggtggttgt	gatttttagtg	atttttggcc	105060
gtgaacatgt	ttcttggact	tttgtctgtg	ggaattctct	gtgtactctg	tataaattaa	105120
gttacttcag	gtgttttgca	ttttcttttg	ccatgcacct	ggggcctggg	tcactacctt	105180
tctggtacca	cttaaaactg	aatttttgtc	ttgggtgtct	gtactgatcc	tgtagtagta	105240
cagggtttata	cttactgtag	aaatatgggtg	tttgattatg	gggtattgtc	ccagatgggtg	105300
ctggagtagt	aatatgctct	ctgttaaact	taatgtgttg	tccctgtaaa	actccaaaat	105360
tctgaattcc	agaatactac	tgcccccaaa	tgtttaaagt	aagggcactg	cctgtatttg	105420
tttctgcctc	ccactatttt	ccttagttta	acacaactc	acctttttta	aaaacatttt	105480
gagagaattc	agtattggga	agagtttcta	acctgtttct	ggaaatggaa	gtccaaagtc	105540
tgtttctgta	attgtttttt	ttttgagatg	gagtctcact	ctgtcaccca	ggctggagtg	105600
caatgacgta	ctctcagctc	actgcaacct	ccacctcccg	ggttcaagcg	attctcttgc	105660
ctcagccccc	tgagttagctg	ggattacagg	tggccaccac	catgcctggc	tgatttttgt	105720
atttttagaa	gagatggggt	ttcgccatgt	tgccaggctt	gggtctgaac	tcctgacttt	105780
gtgatctgcc	cacctcagcc	tcccaaagtg	ctaggattat	gtttctgtaa	ttgtaataca	105840
tttattgttt	ttagaaactg	tctttgcttt	agtggtaatt	ttcaataaaa	atagaaatag	105900
cagtggagtt	attaaaagag	cattagttac	atttttccct	ttttcattat	cttcaaatat	105960
tatatatagt	aagtttgacc	tttttaaaat	gtatacttgt	atcagtttta	acacatacat	106020
agattcctgt	aactgtcacc	actataaggg	taaagaacag	ttagttcctt	cacctttgaa	106080
gtcaagcccc	acctctatcc	caacacttgg	caaccgctga	tctttctccg	tctcaatagc	106140
tttgccctttt	ctcttttttt	ttcttatttt	tttttttgag	acagcgtctt	gctctgtcgc	106200
ccgagctgga	gtgcagtgag	gcaatctcgg	ctcactgcaa	cctccgcctc	ctgggttcaa	106260
gcagttctcc	tgcccttagcc	tccctagtag	ctgggattat	aggcacgcac	caccacaccc	106320
ggctgatttt	tttgtatttt	tagtagaaat	ggggtttcac	catgttggcc	aggctggtct	106380
caaactcttg	acctcaagtg	atccacctgc	ctcggcctcc	caaagtgtctg	ggattacagg	106440
cgtgagccac	tgtgcccaat	caggactttt	tttttttaaa	tttacattca	acttgtcatt	106500
ttttctttgt	atggatttgtg	ccttcagagt	cacacctaa	agccctttgc	ctaagcctaa	106560
gtcatgaaga	gtttctcata	tgtttctctt	taaaagtatt	gtgggtggcc	agggtgccatg	106620
gcttatgcct	gtaatctcag	cactttgaga	agctgaggtg	ggcagattac	gaggtcagga	106680
gatcgagacc	atcctggcta	atgcggtgaa	accccatctc	tactaaaaat	acaaaaaaa	106740
aaaaaaatta	gccgggctg	gtggcgggca	cctgtagtcc	cagctacttg	agaggttgag	106800
gcaggagaat	agtgtgaacc	cgggaggtgg	agcttgcagt	gagccgagat	cgcgcctctg	106860
cactccagcc	tgggcaacac	cactcctcaaa	cactcctcaaa	aaaaaaaaaa	agtattatgg	106920
ttttacactt	tacgttttaga	tatatatctt	ttttgagttta	atgtcgtata	agtatgaggg	106980
ttacgtcaga	ttttttgttt	tttgtttatt	tttacatatg	gatgtctagt	tggtcttaata	107040
ccatttgttg	aaaagacaac	ctttactcca	ttgaattgcc	tttgtacttt	tgccatattt	107100
gtctaggcct	gtttttggac	tcctttttct	gtttcatgat	gtgtgtgtct	attcctttgt	107160

taataaccaca	tggtctttaat	tactgtatag	taagtcttaa	aattgggtaa	tgctggcctt	107220
ataaaacgaa	ttgggaagt	tttattttta	ctcttatttc	catttttctag	aagagattgt	107280
gtagaattgg	tgctcatttct	tctttagata	tttggttgaa	ttgggaagt	atgccatctg	107340
ggcctaggg	tttggtttttt	gtgtgtgaga	cagagtctca	cttctgtcac	ccagggttga	107400
gtgcagtgg	gagatcttgg	cttactgcaa	cctctgcctc	ccagggtcaa	gttatcctcc	107460
tgccctcagcc	tcccaaatag	ctgggattac	aagcgtgtgc	caccatgccc	gactaattttt	107520
tgtattttta	atgcagacag	ggtttcacca	tgtagccaa	gctggtctcg	aacttgtgac	107580
ctcaagtgat	tagccacct	tggcctccca	aagtgttagg	attatagatg	tgagccaccg	107640
tgccctggcag	gggcctaggg	ttttcttttt	cagagtattt	taaactatga	attcagatta	107700
tttaatatag	ataggactat	ttaagttatc	tgtttcttct	tgagtgaatt	tttactgtag	107760
tttatggcct	ttgagtaatt	aattgtattg	aattgtcaaa	tttatgagcg	tgtaattatt	107820
tatagcattt	cgggtttgta	gtggtatccc	tcttttattc	ctggtgttgg	caattgtgtc	107880
ttgtttttct	ttgtcagatt	gtatagggat	ttattagtct	tttcaaagaa	ctagcttttg	107940
ttttgatttt	tctgttggtt	tgttttcaat	tttattgatt	ttctgctctt	tattatttct	108000
tttctatttt	ttctgcttgc	tttggtttta	ttttactctt	tttttttctt	ccaagttgct	108060
taaagttagaa	acttagattt	ctggtttgag	acctttcttt	tctaagataa	gcattttaata	108120
ctgtaaaatt	ccttctaacc	actgctttag	ttacaccccc	acaaattctg	gtattttgaa	108180
ctgagcacaa	atgaaatggt	ctaatttccc	ttgaattctta	ttcttttacc	aatgaattat	108240
ttagaaatct	gttattttagt	ttgcaagcaa	ttggagactt	ttttcctggt	atttttctac	108300
cattttattc	tattttcatt	atattatggt	cagagaatat	attttgaatg	attttcattta	108360
ttaattttta	aaaataacat	taaaaaattt	tttaaaatgt	gaatatacca	catacagtat	108420
aaagattgta	cattctgttt	ttggacagtt	ttctataaat	gtcaagttga	tttagttggt	108480
taatgatgg	gttcagtttt	tctttattct	tgctgatact	ttgtatgcag	ttatatcact	108540
ttattactca	gaagagtgtt	gaactttcca	actacaattt	ttttttccaa	ttttactttc	108600
agctctatct	ggttttgctt	catgtatttt	gaggctctgt	tgtaggtgt	gtacacattc	108660
aggatgatat	cttctgggtg	aattgcctgt	tttatcatta	tgtaattccc	tctttatggt	108720
aattttcctt	gttctaagat	cagaaatctc	tggtgtccaa	tttatataga	cactgcagct	108780
ttcattttgat	tagtgcttgc	atggcatact	tttttccatt	tttttacttt	tgatctacct	108840
ttataattct	atttaaagg	ggcttcttgt	aggcagcata	tagttgggta	gtgttattta	108900
tttattttatt	tattttattta	tttattttatt	tattgagaca	gagttttgct	ctgtgtgccc	108960
aagctggagt	gcagtgggtc	aatcctggct	taccacaacc	tccacctcct	gggttgcagt	109020
gattctcctg	cctcagcctc	ccaagtagct	gggattacag	gcacgcgcac	catgcctggc	109080
tgattttttt	tattttttagt	agaaacggat	tttcaccatg	ttagccaggc	tcgtcttgaa	109140
ctcctgacct	caggtgatcc	acctgctttg	gcctcccaaa	gtgctgggat	tacaggcgtg	109200
agccactgca	cccggctgag	tcatggtatt	tttaattctt	tctcacataa	cagggttttt	109260
gttggtaaat	tttaattatt	taatataaat	tttagtataa	ttatttacat	taaatgtaac	109320
tggtgcactg	gggtattttat	aatgtgtaaa	tataattatt	ggtattaata	taattatatt	109380
actcataata	atattaatat	cttttgattt	agattaccag	tttagtatat	gtttttctgt	109440
ttctccctct	ttgattttccc	cttttttctt	tttttttttt	ttttaattct	tatttttttt	109500
tagtattttg	tgatcattct	tgggtgtttc	ttggagaggg	ggatttgcca	gggtcatagg	109560
acaatagttg	aggggaaggtc	agcagataaa	catgtgaaca	aggtctctgg	ttttcctaga	109620
cagaggaccc	tgccggccttc	tgcatgtttt	gtgtccctgg	gtacttgaga	ttagggagtg	109680
gtgatgactc	ttaacgagca	tgctgccttc	aagcatctgt	ttaacaaagc	acatcttgca	109740
ccacccttaa	tccattttaac	cctgagtggt	aatagcacat	gtttcagaga	gcagggggtt	109800
gggggtaagg	ttatagatta	acagcatccc	aaggcagaag	aatttttctt	agtacagaac	109860
aaaatggagt	ctcccatgtc	tacttctttc	tacacagaca	cagtaacaat	ctgatctctc	109920
tttcttttcc	ccacatttcc	cccttttcta	ttcgacaaaa	ctgccatcgt	catcatggcc	109980
cgttctcaat	gagctgttgg	gtacacctcc	cagacggggg	ggcagctggg	cagaggggct	110040
cctcacttcc	cagatggggc	agccggggcag	agggccccc	cacctcccag	acggggcagt	110100
ggccggggcg	agggcgcccc	cacctccctc	ccggatgggg	cggttgcccg	ggcgggggct	110160
gacccccccac	ctccctcccc	gacggggcgg	ctggccgggg	gggggctgac	ccccccacct	110220
cctccagat	ggggcgggctg	gcccggggcgg	ggctgcccc	cacctccctc	ccggacgggg	110280
cggtgcgcgg	gctgagggcg	tctcacttcc	gcagaccggg	cggtgcccgg	gcggaggggc	110340
tcctcacttc	tcagacgggg	cgccggggca	gagacgctcc	tcacctccca	gatgggggtg	110400
cggtcgggca	gagacactcc	tcagtcccc	gacggggctg	cgcccgggca	gaggcgctcc	110460
tcccactcca	gacggggcgg	cggggcagag	gtggtcccca	catctcagac	gatgggctgc	110520
cgggcagaga	cactcctcac	ttcctagacg	ggatggcagc	cggggaagag	tgctcctcac	110580
ttcccagacg	gggcggcgcg	tcagaggggc	tcctcacatc	ccagacgatg	ggcggttagg	110640
cagagacgct	cctcacttcc	cggacggggg	ggcgggcggg	cagaggctgc	aatctcgga	110700
ctttgggagg	ccaaggcagg	cggctgggaa	gtggaggttg	tagggagctg	agatcacgcc	110760
actgcactcc	agcctgggca	acattgagca	ttgagtgagc	gagactccgt	ctgcaatcct	110820
ggcacctcgg	gaggccgagg	caggcagatc	actcgcggtc	aggagctgga	gaccagccc	110880
gccaacacag	cgaaaccccc	tctccaccaa	aaaatgcaaa	aaccagtcag	gtgtggcggc	110940
gtgcgcctgc	aatcccaggc	actctgcagg	ctgaggcagg	agaatcaggc	agggaggttg	111000
cagtgagccg	agatggcggc	agtacagtcc	agcctcggct	ttcacactt	tggtggcatc	111060
agagggagac	cggggagagg	gagagggaga	cgagggagag	cccctttttt	gcttttcttt	111120
ggattatttg	aatttttctt	taaatttatt	tatcttactt	atttatttat	tttttttagt	111180

gattctcctg	ccacagctcc	caagtagctg	ggactgcagg	catgtgccac	tacaccagc	111240
taattttttt	gtatttttag	tagagacagg	gtttcaccat	attggccagg	ctggctctga	111300
actcttgacc	tcaagtgatc	cacctgcctc	ggcctcccaa	agtgtcggga	ttacaggcgt	111360
gagccaccat	gccctgcctt	tttctagaat	ttatatattg	agttcttgat	tgtatctttt	111420
tatgtaggct	tttttagtggc	ttctctagga	attacaatat	acatactttt	cacagtgtac	111480
tcacatttaa	tattttgttaa	cttcaagtgg	aatgtagaaa	acttaaccac	cataaaaaata	111540
gaactagggg	tgagggtaaa	aaagagagag	aaaagaaatg	taataaagat	ttaataacac	111600
cgtttttttt	tttttttctc	tttttttttt	gagacagagt	ctctctttct	gttaccaggc	111660
tggagtgcag	tggcgtgatc	ttggctcact	gcaacctccg	cctcctgggt	tcaagtgttt	111720
ctcctgcctc	agcctactga	gtagctggga	ttacagggtgc	gcgccaccat	gcccagctaa	111780
tttttgattt	tttagtagag	acggtttcac	tgtgttgggc	aggatgggtct	cgatttcttg	111840
accttgatg	tcgctctcct	cagcctccca	aagtgtcggg	attacaggcg	tgagccaccg	111900
cgcccggtta	agtctttaaa	tatttttttg	acattgcact	ttttctcttt	tccttctagg	111960
attttagtaa	cccaaagtgt	agttttgtta	ttgtttggca	ggttcctgag	gctttcctta	112020
cttctttaaa	tttttttttc	ctgttggttc	gcttcgaaaa	tttctattca	tctgtcttca	112080
aattcactgg	ttctttcccg	ttatttccat	tctgtttattg	agtctttgta	gtgaatttta	112140
aattttgttt	attatgtttt	ttagttctaa	aattttcttt	ttttgtgtat	gtcttatact	112200
ttgctcctga	aactcttatt	tgtttcagga	gtgatcttat	ttcttagagc	atggtttttag	112260
tagctactta	aaatttgttt	tatcatccca	gcatatgtgt	cctcttgatt	gtcttttctc	112320
ttgtgagata	atgggatttt	ctggttcttt	atatgacaat	taattttgga	ttgtatcttg	112380
gacagtttga	cttacgttac	atgattctga	atcttggtta	aatcctgtgg	aaaatattga	112440
agtttttgct	ttaacaagca	gttgacctag	ttaggttcag	tccacaaatt	ctaagcagca	112500
ttctgtcggc	tctgggtcca	tcacagttc	agttttgtat	cttatctgct	tatgtgcctt	112560
tctgtgtcca	gtctgggacc	tggccaatgg	tcaggtccca	aagcctttgt	acacttttag	112620
aagcagggcc	atgcacacc	agctcacgag	tggccccggg	agtgcacata	caactcgacg	112680
ttttcatggg	ctccttcttt	tctgtgatgt	ccctgacacg	ttctgccttc	taagaacctc	112740
ccttttatccc	tttctgtgtg	tctggctaga	aagtcagggc	tttagattcc	ctatacttca	112800
gcacacttcc	tgtagctatg	tcaacctctg	tggccacgac	ttcttcttct	tgggactgca	112860
gtttctcttg	tcgaaaagta	ggattcttgg	agctgctgtc	attgctgctg	tggctgctct	112920
gatgctgccc	ccgagtcgaa	ggagagaaa	gaacaaaaca	aaacaaccca	ggggatttcc	112980
tccactctct	ttgatccgtg	agagccccct	ttctgttccc	tcagaccaga	aatagagggc	113040
ctgtcttgga	acttcttctt	tgtgcatctg	gtgtgcagtt	tcagcttttg	agtccaggcc	113100
aggaggtgct	ggacaaaactt	gtcaggagta	cggagggtact	gcaagtctctg	attacttttc	113160
tcagtcacac	tgcttccaag	tccttgagat	catttgctcca	ttgttttgag	ttgcattcca	113220
tgggagagac	agaagagtgt	gcttatttca	tcttgacata	cttattagga	tttcatatca	113280
aatcaacgga	tgatatcttc	tatattaatt	tgctgttttc	ccttttagcaa	gcacattagg	113340
aaaataacac	tttaacaccc	gcctttgggtg	gtttctgtca	taattattaa	tacttgactt	113400
tttttttttt	tttgagacgg	agtctcactc	tgtcctttga	ggcattgtcc	ccataaaactt	113460
ttgggtaagc	atcaataaatt	ttatctttca	ttcacacaag	cttcaccata	aatttgatgt	113520
ttattcttcc	attttagcag	aattcatggt	gctccaatag	gggctgtctt	caaactgatg	113580
ttttctcctt	cttagtgcct	cagagtagat	cctgttcaga	tacgttataa	caggtttaata	113640
tgagtttatt	ttgggtgtaaa	agtactttga	aattcatgca	tagttttttc	atcatatgca	113700
ttttccatag	ctttgaacac	ccccatgtaa	ctctctctct	ccacaaacca	aacaatgaaa	113760
aagcactctt	gtgatggaag	tttattttgc	aattaggaact	cacagtgatc	taagccctgc	113820
tattcatgaa	tataattcat	tactggagtc	caagttgctt	tttgggtttt	gaagttctct	113880
tcttcccttg	caggtataga	acaagatgca	gtgaataactt	ttaccaaaata	tatatctcca	113940
gatgctgcta	aaccaatacc	aattacagaa	gcaatgagaa	atgacatcat	aggtaagcag	114000
tgcttgaacac	tatggcaaaa	aaaaaatgac	aaaaaatgca	cagaactgac	aattttcggt	114060
attgactaag	ataatttttt	cttaacatgg	aatttagcag	ttcccttcc	aatttggttt	114120
ctgagtattt	tttatatcgg	attatagctc	actttaaaag	tttctcggct	gcattcgggtg	114180
cgaggggtctt	tgccctgggccc	agatgggctg	cagtgtagcg	gggtgctcagg	cctgcccgcct	114240
gctgagcagc	cgggcccggcg	ggcggctacg	ctaaccggca	cagaccaccg	gatggactgg	114300
ccggcagccc	cgcaccagtg	cacgaagtgg	cggggacaga	aacttctggg	gttggaaagtc	114360
cagtgaggtc	aaaagccggt	accaaagtct	ctaggcatca	gggctgcagc	ccaagagtct	114420
cacgaccagt	gggcaactgg	atggccagac	agggtgtctca	gtgggtggcct	ctccgtctca	114480
gggcttcatc	ccacttctca	gtgggcctga	cgtccctggg	caccctggat	gtctacctgc	114540
attagccaga	gccatcacat	ggcctgtgac	ttgccttttt	ttgccagttg	attgtgccac	114600
acacagtgtc	catttctgtg	catttggcac	agctggaggt	gcaaggagga	gggcagcctc	114660
atgtccagtc	ccagtttcac	gtaactttat	tcttctgaat	aaagacaatt	tgctaacctt	114720
aaaaaaaaaa	aaaaaaaaaa	agtttttctt	atatgttgga	cccaaattct	taggctttaa	114780
cctgaataac	aatgacagca	agatcaataa	atagtagaca	tttattaaac	actcactgtg	114840
tcccagataa	tattccaagc	actttttatg	gatagactca	ttttaacttc	taaagaactt	114900
tgtgggataa	atacagttat	tttatagatg	aagaaaactga	agcacagaga	agtttaagtgc	114960
tttgtccagg	gtaacagctc	agatatggca	gagtcaggat	ttgaaactag	accctcacat	115020
accttaactg	ctgtgctgtg	gcagtgtttt	tcatactgta	ggttggggacc	agccttctct	115080
tatgccctca	ccccctgcca	aaaaaaaaaa	aaaaaaaaaa	aaatatatat	atatatatat	115140
atatatatat	atatatatat	aatatatata	tatataaaat	atatatatat	ataaaatata	115200

tgtattagta	tatatgcata	tatagtatat	attatatatt	agtatatata	ctaatatata	115260
atatacatat	tagtgtgtgt	atataatata	atactagaat	aaaaaaatca	aagtatctca	115320
gagtagtaag	gacaaacatt	tcagaaaaat	gttttcatta	tatatacatg	tatgtatgtg	115380
tatgctgatt	caacaaatat	atctcttata	ggttatagca	aaatagtttg	aaagctttta	115440
ctgtgtttta	tcaggaagac	cttaggtgaa	cgtatatcca	cagataaaag	agggtattta	115500
ttcattcaat	aaatattaca	ttctcataag	tcctaataat	atgtattttt	attcttcaaa	115560
aaagttagta	tttgtgattt	atgaaataag	acatgttctt	gcacttttag	cagatctgtc	115620
ccgatgttgg	gcttctttta	tccttagtgt	gggtgctttg	cactcactca	ctgctgggga	115680
cagcaagacc	cctgttagtc	tcagctgtgt	ttcttaaatt	ggccccactg	accttccagt	115740
tagctattct	gggtcccatg	tcagtgtggc	tccattttcc	ttttctttct	cccacacaga	115800
tacctataac	ggctataaca	taggcctggt	ggctgttggg	ggcttatccc	tatctgcttg	115860
tatttaaggg	gtactgtttc	actgagtttt	gctgacagat	gttgtcatga	gatttgagggt	115920
tttctgtgtt	gttgctctat	ttttatgtgg	gaatttgcta	ctatcatcat	ccctagacca	115980
gcttttcccta	gtaatacaac	agggatgttc	tgactgatta	gagtttgcc	gtttgaagaa	116040
ttgggtggct	agtgattttt	ttttgagggg	agtcgttacc	agttaatagc	ctgactggcg	116100
tgtggataaa	aagggaagcag	tttcaagtca	aataaaacac	ttaaaatgaa	accacactgc	116160
aactctcttt	cttttactta	agcttaatca	aattaatgat	gatgtaatcc	catgaaggaa	116220
aagtcttctg	aaggatcaag	ttgataacat	tttgtgatca	agaatattga	gaaaacctct	116280
atcccagtg	ctatcattat	atatttttag	atgttaatta	cctgtgtggc	tttaggcaag	116340
tcatttttcc	tccttgagcc	ccattcttaa	tccgtgccaa	attatttgct	tcctcttgca	116400
gttggactat	tttaatatag	ctgtccttca	agtgtgattt	gttcaaaagg	gccttcactt	116460
tagctcttac	tgtgtaccca	ctttgcatag	tcttgtttta	aatgtaatcc	ttggattttt	116520
gggtgttgcta	actaattact	gtttttatgt	gaggatttag	agtgtaccag	aatctatact	116580
tgcactacct	ccttcactct	ccacaaatgt	ttgaagtggg	agaattttta	aaaactttga	116640
aggtagagct	gacagaattt	gctgatgggt	tggaaagtga	tggtagaga	gggaaaaaaa	116700
ggaataaagc	atgactgcat	tttttgtttg	tttgtttgtt	tggttttgag	acggagtctc	116760
actctcgcca	ggctggagtg	cagtggcggt	atcttggtct	acggcaacct	ccgcctcctg	116820
ggttcaagcg	attcccctgc	ctcagcctcc	caagttagctg	ggactacagg	cgctcgccac	116880
cacgcctggc	taattttttt	ttttgtattt	tagtagaaac	ggggtttcac	cgtgttggcc	116940
aggatggctc	ccatctcctg	acctcatgat	ctactcacct	tggcctccca	aagtgtctgag	117000
gttacaggca	tatatataag	catataaagt	gtgttatagc	atacaaacag	gtatatatat	117060
aaacatgcag	tccacacagc	tgataggaat	gaggcagtag	tgaaggagaa	gttgatgtag	117120
gagagggggac	agttgtttaca	ggaaagaagt	ctggaggcag	aagggatgaa	ttccagtgct	117180
cacatagaag	attgcttaga	tgggagcaag	gacaatttat	ctagagtcac	aggaaagaat	117240
gcagtacacg	ggtagagatg	caggtgagtt	gaaagatgtg	agagatgatg	gaaataattt	117300
tctgattgct	tctatatctt	caaggaagca	ggaagcaaa	tcctcagcaa	agagaataga	117360
agaggtgtta	aatattttgag	aaaggagatg	tactgtagaa	aaaaaaaaaa	ctcagtttct	117420
ccttctgaac	tctcacaaaa	cagaaccctt	ccatgactct	agttgtgtgg	ggttttttcc	117480
ctgtcagcta	ccaattctgc	agatgattgt	tcagtgaaca	ccaactgggt	gtcctcttaag	117540
tcagttcagt	tctcacactg	tttacctgga	gatagcatca	gatcccacag	attgaggact	117600
ctgtcccaaca	agactgcctc	cacttcagat	gccagtctca	agtacaagtt	gtggcctgtg	117660
cttctgactg	accttctata	aattggagtt	cccacagctc	cctccttggg	ttcaataaat	117720
ttgctagagc	agctctcaga	actcagggaa	atgctttaca	tatatattacc	cattttattt	117780
aaagatattt	acaaaggata	cagattgaac	aggcagatgg	aagagatgca	tgggcaagggt	117840
atgggagagg	ggcacagagc	ttccatgcac	tctccaggct	atgccaccct	ccaagaacct	117900
ctacagattt	agctattcag	aagccccctt	ccccattctg	tccttttggg	ttttttgtgg	117960
agacttcatt	atataggcat	gattgatcat	tggctattgg	tgatcagctc	aaccttcagc	118020
ccccctatcc	cgggaggttg	gtgggtaggg	ctgaaagtcc	caaacgtgta	attctgcctt	118080
ggctcttctg	gtgattagcc	ctcatcctaa	agctcttttag	aggccacagc	cacaagtcac	118140
ctcattagcc	ttcaaaaagaa	tccagagatt	ccatgaattt	taggcgctgt	atgctaagaa	118200
actggctaaa	ggccagttgc	aatgtctcag	gcctgtaatc	ccagcacttt	gggaggctga	118260
ggcaggagga	tcgtttcagg	ccatgagatc	aaaaccagcc	tgggtcaacat	agtgaagccc	118320
ccttacaaaa	aatttaaaaa	ttggccaggc	gtaataagct	ttgtctgtag	tctcagctac	118380
tcagaaggct	gaggatcact	gagccctgga	ggtgaaggca	gcagtggagcc	atgatcgtgc	118440
cactgactcc	ggcttgggtg	acaaagttag	accttgtctc	agaagaaaaa	ggaaaaaaa	118500
aaaactgggc	aaagactaaa	taacatattt	cacagtatca	cagatttgta	ttgtctagga	118560
aagtgaatgt	aaacagacca	ggacactagt	atgatccctt	ggtttcatga	aggtcccact	118620
aaagtcatga	acacaaagtg	agactaggca	tcatgtttata	tggtttttcc	agccatgttt	118680
aacagctagc	taaataagcta	attgtttcgc	tgcagtttat	tttagcagtt	ccttatttta	118740
gcacatttca	tgtttttaaaa	tttctaccaa	taacatttta	ataaactttt	ttacagataa	118800
cttcacaaat	ccataattttt	ttaaagttaca	atcccagaaa	tagaattgct	cattgaaagg	118860
gtatgttcat	ttttaaagtt	atgctagaaa	ctgccaaatt	gccttcagaa	aaaggtgttt	118920
gtatccccac	taacactagt	gttagttttc	ttgtgccctt	gctcaagtat	acataattat	118980
aaaaacaatg	ttgggccagc	ttactagata	aaaggtgtag	tgccctcctta	ttctaattcta	119040
tttgattact	agttagtatg	tatgtctttt	cacgttgggt	attttatgtt	tgttcctttg	119100
tggattgtca	tgctcctttg	tcatttttct	tttggaaacat	ttcttagtag	tttataagag	119160
ctcttgggtat	tttaatgata	gtaacctttt	aactgtcatg	catgctgcaa	atcttttttc	119220

tgtttgtttg	cctttgtatt	ttgttttttg	aggggtttcta	tgtataggaa	ttaaatttta	119280
tgttgtttaa	tctttttgatt	tctgtcttttg	catatgtact	tcaaaagact	ttctatttta	119340
agatcaagtg	ttacctgtat	tttcttttag	ttctatttta	aacctcttaa	tttatatgcc	119400
tgtgctgtta	actcccaagt	tgattcacaa	gtgtgtatac	atagtttgaa	tttagtgcca	119460
atttaattat	ttacaacttc	ttttgcagca	aggattttgtg	gagaagatgg	acaggtggat	119520
ccaactgtt	togttttggc	acagtcacata	gtcttttagtg	caatggagca	agagtaaagt	119580
agttcatatt	ttcacattgt	gcacccatag	gaatttgggt	tcattgttag	gaatgggctt	119640
cactcagcta	aaaacaaagt	atttttgaga	atttaaatat	tttgatatt	tacaagatca	119700
tataaagcat	actctatctt	ggttaacagt	ttctttttaa	tataaattat	gtgaactctt	119760
aaaattttca	ttttcatttt	caatgttaat	atttccctaag	ttaaaataat	ttgttttttag	119820
ttctgaaata	atttggggag	tgattgagtc	tgtagtgatt	atgactatta	gaattgggtt	119880
atttatttta	ataatgcattg	tcttcagatg	gctctcctaa	tttggttagtt	aggctttaag	119940
ctaaatggat	gctatataac	taaatccaca	tagattttgtt	gaaatggctc	cagaggtttt	120000
ttagattttat	tactgctatg	tgcccttaaa	aaaaatctat	tcattctttc	acttaacatt	120060
tatcagaaga	gtgctctgtg	taagacgtgg	ttaggcatag	tgccagtctt	gaaggaagtt	120120
acagcctaata	aaaagacata	gggcatgttg	tttggttact	gtaatatgaa	gtggcatgtg	120180
ttaaattgtca	gggggagaact	acaaagtcac	aaaaaggtgg	gagagattac	atacaggtaa	120240
aggaatcagg	aatgacacca	tggggagtaa	ggtagtggtg	acctaggcct	ttaagataca	120300
atagggacag	tatggaaaga	gtatattttt	cccacttaaa	ctctttcctt	ggtcgtttccc	120360
tcaaattttc	cctttttgtcc	atgtgcaggc	actttagtga	gtttctgcga	agtcaccatt	120420
tctgtaaata	ccagattgaa	gtgctgacct	gtggaactgt	ttacctggct	gacattctct	120480
tctgtgagtc	agccctcttt	tatttctctg	aggtaaagtc	tgcatcttct	ttcacactct	120540
attcgagcat	tccagcctct	aactatcaat	gctggggccc	tgtctatagg	aaataacaca	120600
gaagagccaa	gtcattttcca	aaaagatgta	tcattgtttc	aagttgtttc	tgatggcaag	120660
agtaatttaa	taatatatta	gagagaacct	tgtattaaat	tgtattaaat	aactctaatt	120720
ttgagaaacc	taattaaact	actgcatgta	agagagtgc	tgttttta	tatttggagc	120780
tatttttaaa	ccacagaatt	tgaaacttgc	ttccagtgc	taaattgcag	accagacttc	120840
agaagagaaa	aaaagtagta	aattttttct	tatgctcatc	atttttactt	tagtcacttg	120900
ataggattgc	ccagtgaaga	agcatttgca	acagacaatg	agtatattaa	tcttttttgag	120960
gcatacagtt	tagtataatg	ctctttgtta	ggcttcaaca	agtgaataa	ttttgttgga	121020
aagcaaatga	ctattaagta	gaaagaggat	tcccagtcct	acaaagcagt	aatttagaca	121080
ctcgattctg	cctctttaca	agaatacagg	tactcagttg	atgtgttttc	tcactccctt	121140
tctttgctat	aagttttaaat	caacaatttg	tttaggttaa	tatgtcctca	tggaatgggtg	121200
gaaatgatca	gatataaaat	atttgggttg	gttagtttac	tctttatatg	tttgctggca	121260
aggaaccaca	aatccagttt	agtataattt	ttactctagt	tcactaaaag	tttgcatcca	121320
gctgtgtagg	tagtgtttgt	ttcttggtta	cttttttttc	gtctaaaaga	atacttttaa	121380
acttttcaat	ctcaaattgac	tgtaacttgc	tgacaggtgt	taacagaaga	agtagatctt	121440
tttgtttttt	gcttatgacc	tgtattttta	tatttgagct	tatagattag	agattgtgag	121500
agaaattctgt	ttatagtctt	attttccctt	gtgtattttt	tcttccagtg	acatggaaaa	121560
agagatgcga	tggaatatct	tacaattctg	gttggcagca	gataaacttc	agtctcagct	121620
tgctgcca	aagggccaat	atgatggaca	ggaggcacag	aatgatgcca	tgattttata	121680
tgacaagtga	gttatattga	tagatggatt	cagcagatac	ttattgaaca	tttgatatgt	121740
tttgtggaaa	taaagatgaa	taaactcagt	ctctgttctg	aaggagctca	caggaggcag	121800
cataaaagct	gcttttatat	ggtgtttgta	aagctttggg	ggttcttaga	acaaaagt	121860
ctgctgggaa	aggggaggtg	tatgtgggtg	aaacaggatg	gcaatgggtg	tggtcaagga	121920
gtgtttccca	gaagagagat	tttgtttgga	tcccaaagaa	agaagggaa	tttgctaccc	121980
agagaaggca	gaaaacaaca	ttctaggcaa	aggcattggc	ccagaagcca	tggaaacgta	122040
ggggaaagtg	gcactttcaa	gaaacttgag	tttagataat	caaaggagtg	gggaataaat	122100
atgaggatgc	tggtagtaac	tggaatagat	tgaaggagac	cttgaatgcc	tatttatggg	122160
tatattatac	tttctgtata	aatctgctca	ggcacgttgt	taattagttt	tttattagtt	122220
ttcactgaaa	atgagaggat	ggaaacatca	tacagtaaac	aaaattgaaa	atatctgggtc	122280
aggcagatga	tgagcttgtg	gccagctctg	taacgtatgg	tattcttttc	atttaacttt	122340
tcttactctg	taaaaaaagt	aattcgtggt	cgggcacggt	ggctcactcc	tgtaatcaca	122400
acactttgag	aggcagaggc	aggtgaatcg	cttgagccca	ggaatttgag	accagcctgg	122460
gcaacatggc	aaaaccgcgc	tttactaaaa	atacaaaaat	tagctgagcg	tgatggcgtg	122520
cgctgttgt	cctagctact	taggggcctg	aggcagaagg	atcacctgag	ccttgggagg	122580
tcgaggtctg	agtgagctgt	gatccactgt	actccacctt	gggcagggca	gtagagtgcg	122640
accctgtctc	caaaaaaaa	aaaaacaaca	aaggttaatt	gttatttgta	tccttaagca	122700
aatgtctaaag	gggttaacttg	gggatagaga	aaagtcacac	gatgttaggg	tttgaagaca	122760
ctaatagtat	ctaggccagt	ggttcctgaa	cattagctctg	tggtctcttg	ctgggctgtc	122820
tgcataggaa	tcacctgaga	gcttattaaa	aatagggttt	caggtctggt	gcggtggctc	122880
tccgctataa	ttccagcact	ttgggaggct	gaggcaggcg	gattacttga	ggtcaggcgt	122940
tcaagaccag	cctggccaac	atggttaaac	ccgctctcta	ctaaaaatac	aagaattagc	123000
caggcatgat	ggcacacacc	tgtaatccca	gctactcagg	aggctgagga	aggagaattg	123060
ctcgagcccg	ggaggtggag	gttgacgtga	gcggagatca	tgccactgca	ctccaggctg	123120
gctgacagag	ggagactctg	tctcagaaaa	aaaaaaaaaa	atagggtttc	agtcgtgggt	123180
ccggtggctc	acacctgtaa	tcccagcact	ttgggaggcc	aaggcaggca	gatcacttga	123240

ggtcaggagt	ttgagaactg	cctggccaac	atagtgaaac	cttgtctcta	ctagaaacta	123300
caaaaaatta	actgggcatt	ttgacgggtg	cctataatcc	cagctactag	ggaggctgag	123360
gcaggagaat	tgcttgaacc	cgaggaggcag	aggactgcat	ctcaaaaaaa	aaaaaaaaaa	123420
aaaggtttcc	agtcgccctg	tctcagaaat	tctgattctg	caggtttgag	gtgtgaccag	123480
gaatctttat	ttttagaaga	cataccagat	aattctgata	aatagccagt	ttagggatgt	123540
agtctaattt	tcctattttg	caagtaagga	aaataaggcc	cagagaggta	atgattttct	123600
caaagtccac	gaacaagtta	gtggcagaat	ttggactgga	atgcagttct	taatgttctg	123660
tccagtgttt	attctggtac	agtatgtttg	tagaagggtat	tacgtaagaa	acattgttat	123720
atagatgttg	agataggaag	agtttacatt	tagaaatttg	gtctaaaatg	cctgaacatt	123780
caagtcgtgg	aggagtattg	accaacttac	tcaatacaac	ataggagatt	cacattttgt	123840
tacaaaaatg	ctgattttaa	aggagagttt	tctttttttt	cttctttttt	attttttgag	123900
atggagtctt	gctctgtcac	ccaggctaga	gtgcagtgac	acgatctcag	ctcactgcaa	123960
cctccacctc	ctgggttcaa	gcggttctcc	tgccctcagcc	tcttgagtag	ctgggattac	124020
agggtggggg	caccacgccc	agctaatttt	tgtattttta	gtagagacag	ggtttcacca	124080
tggtggccag	gccggtcttg	aactcctgac	cacaaagtga	ccaccaccca	ctgcctccca	124140
aagtgtctgg	attataggcg	tgagccactg	tgcccagcct	gcttggtttt	gtatcatata	124200
tatgcatcat	cataatcatg	cattatcaac	ctttgtattt	ctgtcaggac	atagaaacca	124260
ttagagtgtc	tggaagagag	cctttttttt	tttctcgcat	ttaatgcttt	ttttggtatt	124320
catttcataa	tcagcttacc	aaaacattac	ctgcattata	ccccatcaag	gtagaaatct	124380
ttgtgttatc	aatattgggt	actccctttc	cacaccaggt	catcagtaag	tctgtttcta	124440
tccaaatagg	tcataatgcat	ctagctcacc	cctcagtgct	gttttggttt	gaatttgtac	124500
atgtttactc	ctgatgcctt	gtagttatga	tgatgtgttc	ttattttatt	ctgtgcatac	124560
aagttctcag	ctcgcttttt	agggaaaatg	accatgtctt	cctttcctat	aaattccttt	124620
ctatctatct	agtcctcaac	agagaatagg	taccataaaa	tatgtgattg	ttagtttctt	124680
tgccctagtt	gtagtctgat	ccttacagct	tttaaacac	agtagagttc	accgtcaaga	124740
actaaggatg	ggtggcaggc	agatagaaag	gtagcaagtt	gacccaacta	tctctgggga	124800
agtgggaaca	aagaaagggt	acatcagcac	tgatcatcaca	tagctctata	gttctaggcc	124860
tgagggtcca	atcaagtagc	cttgtataag	attctctgga	ggagggtgctg	aaagtgtcct	124920
atacttgcta	tggaatttga	ttttactctg	gatatctttt	taccataggt	acttctccct	124980
ccaagccaca	catcctcttg	gatttgatga	tggtgtacga	ttagaaattg	aatccaatat	125040
ctgcagggaa	ggtgggccac	tccccaactg	tttcacaact	ccattacgtc	aggcctggac	125100
aaccatggag	aaggtaaccc	agaacttcaa	acgtatcaaa	ctacaagaag	ttttattggt	125160
agaactcata	aaatataagg	tgggaaaacc	aagcagaata	gcacagtgga	aattgaagca	125220
gtccagcaaa	gtgattaaga	gcagaggcct	tgagtctggc	ctggatgta	cagtcagctg	125280
ccacataaqa	ttttagtcaa	cagtggactg	cggtgacgat	ggctcgtgac	gattataatg	125340
gatcaaagct	ggtagtgcaa	taataacaaa	agttagaaaa	aataaatttt	aataagtaaa	125400
aaagaaaaaa	gaaaaactaa	aaagataaaa	gaataaccaa	gaacaaaaa	aaaaaaatta	125460
taatggagct	gaaaaatctc	tggtgcctca	tttttactgt	actatacttt	taatcattat	125520
tttagagtgc	tccttctact	tactaagaaa	acagtttaact	gtaaaaacagc	ttcagacagg	125580
tccttcagga	ggtttccaga	aggaggcatt	gttatcaaa	gagatgacgg	ctccatgcgt	125640
gttactgccc	ctgaagacct	tccagtggga	caagatgtgg	agggtgaaaga	aagtgttatt	125700
gatgatcctg	accctgtgta	ggcttaggct	aatgtgggtg	tttgtcttag	tttttaacaa	125760
acaaaattaa	aaagaaaaaa	aaaattaaaa	atagaaaaaa	gcttataaaa	taaggatata	125820
atgaaaaatg	ttttgtacag	ctgtatattg	tttgttttta	agctgttatg	acaacagagt	125880
caaaaagcta	aaaaaagtaa	aacagttaaa	aagttacagt	aagctaattt	attattaaag	125940
aaaaaaattt	taaataaatt	tagtgtagcc	taagtgtaca	gtgtaagtct	acagttagtgt	126000
acaataatgt	gctaggcctt	cacattcact	taccactcac	tcgctgactc	accagagaca	126060
acttccagtc	ttgcaagctc	cattcatggt	aagtgcccta	tacagatgta	ccatttttta	126120
tctttttatac	tgtattttta	ctgtgccttt	tctgtatttg	tgtttaaata	cacaaattct	126180
taccattgca	atagtggcct	acgatattca	ttatagtaac	atgtgataca	ggtttgtagc	126240
ccaaaagcaa	taggttgtac	catatagcca	aggggtgtag	tagggccatac	catctagggt	126300
tgtataagta	cactctgtga	tgtttagcaca	atggcaagca	gcctaacgga	aattctgttt	126360
attgattgat	tgattgattg	attgattgag	acagagtttc	actccattgt	ccaggctgga	126420
gtgcagttgc	acagtccttg	cacactgcaa	cttctgcctc	ccagggtcaa	ccaattatcc	126480
tgccctcatcc	tcccaagtag	ctgggattac	aggcaggcac	caccatacct	ggctaatttt	126540
tgtatttttag	tagagacagg	gtttcaccat	tttgccagg	ctgttctcga	actcctgacc	126600
ttaagtgtac	tgccctgttt	ggcctccgaa	agtgtctgga	ttacaggcat	gagctaccat	126660
gcctgggcag	tacttgaat	tctctaagtc	cattttccct	atctgtaaa	tgacgataat	126720
atgcacgttt	acctcaaagt	tactttgatg	attaaagtaa	ggtaaatgtat	ataaaaataca	126780
tattaacata	gtacctgaca	catggtaagc	atcaaaaaat	gttaactact	tttattacta	126840
ttattattac	gtatttttaa	ataattagag	agcagtatca	aaaattagct	gggcgtagtg	126900
gcattgacac	atagttccag	ctactcagga	ggctgaagct	ggaggattgc	atgagcctgg	126960
gaattaaagg	ctgcagtgag	ccgtgttcat	gccccgcac	tccagccttg	gtgacagagc	127020
aagaccctgt	cttgaacaat	taaagaaggc	attatgccgc	aacgttagct	tagaaatgat	127080
ccacatatat	caccagtaac	tgtcaacagg	attggaaccc	tagttttggg	tattatgatc	127140
acaaggattt	attaatagct	tattaataat	aaagcgttgg	ctaggcacgg	cgactcacat	127200
ctgtaatccc	agcactttgg	gaggccgagg	tgggtggatc	acctgaggtc	aggagtttga	127260

gaccagcctg	accaaactgg	agaaacccca	tctctactaa	aaatacaaaa	ttagccgggc	127320
gtgggtgggc	atgcctgtaa	tcccagctac	ttaggagggt	gaggcaggaa	aatctcttga	127380
acccggggagg	cagagggtgc	agtgcgctga	gatcgcacca	ttgcactcca	gcctgggcaa	127440
caagagcaaaa	actccgtctc	aaaaatataa	ttataataaa	taaataaaaag	taaagtattg	127500
atgtttgtga	atgatttatt	cttctaataa	actagaggag	atttttccag	gaatttcaga	127560
gccagtggag	ttatgttgct	tgtatgtgtc	atgtgtatcc	aggtgaaaaa	acttaattaa	127620
acgctattat	ataataccat	acataaaaaa	tgaatttttag	gaataactgaa	gaatgacata	127680
tagaagtcaa	atcattaaat	agctagtagt	aaacagaata	gagtgtcagc	tgttacccaa	127740
tgatgataat	attttcacga	ttaaaattaa	acctttttctg	attttaaagg	aaaagttcag	127800
atctgtatca	tataaagaat	gtaaaatttc	agggtataaa	aattaaaatg	cagagagaaa	127860
aatgcaaaaa	tagttcttac	tagatgtgtg	tatgtaaagg	acttagacta	attttaagaa	127920
cactgtcaag	accctggtag	ttaggttagga	aaaaagacat	gaatgattca	ttcaacaaaa	127980
actttgagta	tttctgtgct	agatggtagt	gttacagtgg	taaacaaaaa	aatgtgtttt	128040
ctgctatcct	ggagcttagt	ctacaaaaaa	ggtacatatt	ggccggggcac	ggtggctcac	128100
gcctgtaaatc	ctagcacttt	ggaagatcga	ggcgggtgga	tcacctgagg	tcaggagttc	128160
aagaccagct	tggccaacat	ggcgaaaccc	cgctcttact	aaaaatacaa	aaatttaactg	128220
ggtgtgggtg	cggacacctg	taatcccagc	tactcgggag	gctgaggcag	gagaatcact	128280
tgaacctggg	agacagaggt	tccagttagt	cgagatcatg	ccactgcatt	ccagcccggg	128340
ggacaaaagc	gaaaatacgt	ctcaaaaaaa	caaaaacaaa	caacaaaggc	acgtatttaa	128400
tacgaacata	aattattact	aattatactg	aataagttct	catgtttatt	atttgcttgt	128460
ccagttacaa	acttttcctt	cgtagaatta	gaaatataaa	taataaacat	gagaactcat	128520
tcagtataat	taataattat	taaatgtaaa	taaaaacatc	tatgtacaat	taggcattta	128580
tttaagaatt	atttgaaaaa	aaaacaatgt	ggaaacagat	attttgatat	attgctagt	128640
attgaaattg	ataatgttct	tttgaagagt	aaagtgaaca	tatatattaa	agttaaaatt	128700
taactcagca	atcacacgcc	tggtagttaa	tcttaaggaa	atcagtttga	aagtaaaaatc	128760
aatatatgca	caaagacttt	aacatttatc	ataaaccaga	aaaatcgagt	ttcaaattat	128820
atcctatgga	ctattttctg	ctaaaaagta	ttaatatcaa	ctttatgtaa	tactttcgtg	128880
acaaatattt	tggggggagaa	aaccaacaa	aattacatgc	attgtaattt	tttttttttt	128940
ttttttttta	gacagctttg	ctccagcgct	caggctggag	tgcagtgggtg	caatctcggc	129000
tcactgcaac	ctccatctcc	caggttcaag	caattctcct	gcctcaggcc	tcccagtag	129060
ctgggattac	aggcgctcac	caccatgcct	agctaatttt	tatagttttt	agtagagatg	129120
gggttttcac	atgttggcca	ggctggctct	gaactcctgg	tctcaagtga	tccgtctgcc	129180
tcggcctcct	agagtgtcga	gattacaggt	gtaagccact	gcacccagcc	ttatgcatta	129240
taattttta	ttgtaaactg	tacaaaggga	tactatctgt	agtacaacaa	gaagtaaaaa	129300
catttgttat	aggtagttaa	catttgaac	cagtagaatt	ataggtaaaa	tttatttatt	129360
taaaacagtt	ttagttggat	ttgatttcaa	ctttaaaata	atgcttttca	tctctatcag	129420
gtctttttgc	ctggcttttt	gtccagcaat	ctttattata	aatatttgaa	tgatctcatc	129480
cattcggttc	gaggagatga	atttctgggc	gggaacgtgt	cgctgactgc	tcttggtctc	129540
gttgcccttc	ctgatagtc	tcacccagg	aggtctgaca	gctctgcgtc	tcaggtagttg	129600
actgattgcg	tctgccatta	gggagaaaaa	catacacatc	ctttccttca	catcccagta	129660
acagatccta	ttatttgtaa	attttaagtt	gtggaaaaaa	aagataaaaag	ccaggcacag	129720
tggcctgtgc	ctgtaatccc	agcactttgg	gaggctgcgg	tgggcccgatc	acacgaggtc	129780
aggaattcga	gaccagcctg	gccgacatgg	tgaaccccca	tctctactaa	aaatacaaaa	129840
attagccggg	catgggtggc	ggcacctgta	atcctagcta	cttggggaggc	tgaggcagga	129900
gaatcgcttg	aaccacaggag	gcagaggttg	caatgaacca	aaatcacgcc	actgcactcc	129960
agcctgggtg	acaaagttag	actgtgtctc	aaaaaaaaaa	aaaaaagaga	gaaataaaaat	130020
tagcctactt	actatcttct	aatcaaagca	tttgtggtaa	cttaaaatat	actgtattgt	130080
aaagtatcat	gctgtttcat	ttaggccatt	agctctattg	aatctgtggc	tgtttctctt	130140
aataaatcaa	gtaatatgga	atatattcat	agcctctgaa	gagctcttta	tgtaagtatt	130200
tatttaggat	actttttgta	aaataagtga	atgaattctt	aggtctcctt	tttttttctt	130260
ttcttgagac	aggggtctct	cgctgcaacc	tggaaattct	ggggtcaaat	aatccaccca	130320
ccacagcctc	ctgaatagct	gggactagag	gcattgcacca	ccacgcctgg	ctaatttgaa	130380
attttttttt	ggcaggccat	gatggttcac	gcctgtaatc	ccagcacttt	gggagaccga	130440
ggcaggcaga	tcacgaggtc	gggagatgga	gaccagcctg	gccaacgtgg	tgaaaccccg	130500
tctctactaa	aaatacaaaa	attagctggt	tatggtggct	catgcctgta	atcccagcta	130560
cttggggaggc	tgaggcagga	gaatggcttc	aaccaggagg	tcggagggtg	cagtgaagcg	130620
agatcacgcc	actgcactcc	tgcatgggtga	cagagtgaga	ctccatctca	aaaaaaattt	130680
tttttttaaa	tgatggagtc	ttgctgtggt	gctcaggctg	gtcttgaaac	cctgacctca	130740
aatgccgcct	gcttcagcct	aagtttcttt	tttttttgta	aagagacagg	gtcttgctat	130800
gttgccagg	gtagtctcaa	actcctggct	tcaagcagtc	ctcccacctt	ggcctctcaa	130860
agtgtggga	ttacaggcgt	gaaccactac	ctataatgtt	gtgtttcact	caaggccttt	130920
tgatttctgt	ttgcattacc	gtgccacatt	gtgcatttcc	ttgacctttt	ttgggttttt	130980
tggagtgcct	tcatagttta	aaccatacct	gattctcctc	aaaatcacac	aaagtagaat	131040
atcctaagac	aagaaatcta	aggaggcata	aagaagttaa	ctggttttat	taaactcaca	131100
cagtaaatga	tagagccaga	aatattcccc	ttctagtgtt	cttcaccatc	agcttaatgt	131160
agcataataa	ttttctaatt	actgttgaca	aataaataac	cctttgaatt	ttcaatactg	131220
ggccttggat	aaattttcct	aatttgtaag	agagtattat	cgtattgcca	tttacaaggc	131280

tctcctgagt	atcttttttct	tctgttaagt	ttacctagga	gataaactgc	tgagtatggg	131340
tgccattttg	gtttttttgat	atagggttaga	atgtcttggg	tttttttttt	tttttttttg	131400
gtttttgttg	ttgtcattgt	ttgagacagc	atcttgcctc	gtcgcccagg	ctggagtgca	131460
atggcacgat	cgtgggctcac	tgcaacctcc	acctcccggg	ttcaagcaat	tctcctgcct	131520
cagcttctcg	agtagctggg	attacaggca	tgtgcaacca	cacctggcta	atttttgtgt	131580
ttttagtaga	gaaggggttt	caccatgttg	gtcaggctgg	tattgaactg	ctgacctcat	131640
gateccactg	cctcggcctc	ccaaagtgtc	gggattgcag	gcatgagcca	ctgcacctgg	131700
ctgaatgtct	tgttttttgat	taggcactta	agaaaggcct	aggtactaac	cataaaatat	131760
atttttatac	cttttggtga	tactatatat	atagaaaact	gcacttatca	taaccttaga	131820
caccttgaag	aatgttcaca	agcagaacta	acccatgtga	cccagcatcc	agatcaaaaa	131880
cagcattatc	agccccctcta	gaagccctct	tggggccctt	ccattcactg	tccttcttgt	131940
caccagggta	gctactatcc	tgacttttga	tggcatagat	tagcattacc	tggtcttgct	132000
atttttataa	taaaaccata	ctgtgtattc	ttttcttgta	cagctttatt	gtgctaattc	132060
acattttacat	catacaattc	agtgggtttt	atatgggtcac	agagtttaggt	aaccattacc	132120
acatcgattt	tagaacattt	ttttcactcc	agatagaaac	cccctttact	taacctcaa	132180
atccccact	ccaccagccc	taggcagcca	ctagtctact	ttttatctct	atagagacaa	132240
tagattttgct	tattctggac	atttcataaa	catggaaccg	tatattatgt	ggtcttttgt	132300
tgccaactgt	ctttcactta	gcatcatgtg	ttcaaaagag	catcatgtta	tccatgtttg	132360
gcatgtatca	gaattttatt	cctcattatg	gccaaatatc	ccattgcaag	gatttatgac	132420
atttttattg	aattgtaccc	tcctttctgc	cattttatcaa	taatgctact	gtgacctatt	132480
gtgtacaagt	ttttgtgtgg	atacagggtt	tcttttttgt	tttaaatttg	aggtggagtc	132540
ttgtctctgtc	gcccaggctg	gagtgcagtg	gcacaatctc	ggctcactgc	aacctctgtc	132600
tcctgggttc	aagcagttct	cctgcctcag	cctcccaggt	atctggggact	ataggcacgc	132660
accaccacgc	ccagctaatt	tttttagtaga	gatgggggtt	caccatgttg	gccagctcgg	132720
tctcgaactc	ttgacctcaa	gtgatccacc	catctcggcc	tcccaaagtg	ctgggattac	132780
aggggtgagc	cactatgccc	ggctgtgggt	ttcattttct	ttgttgtata	tacataggag	132840
tagaattgct	gagtcaagag	gtaactctta	aacttattga	aaaactgcca	gattgttttc	132900
cgaaaaggct	gcaccatttt	gcaatcccac	cagcagtgta	tgagttttac	agcttctcca	132960
cattttcattg	gaacttatta	tctgtttggc	tgttttttaa	aatgatagtc	attccaataa	133020
gttctacttc	agtgtgggtt	ttgcacttct	ctgatgagta	atgatgttga	gcatcttttc	133080
atttgcttat	tggcctttgt	tctagctttg	gaaaaatgtt	tattcaaatc	ctttggccat	133140
ttttattttt	atttttattt	atttattttt	ttttgagacc	aagtctcact	ctgtcagcca	133200
ggctggagta	caatgggtgtg	gtctcagctc	actgcaacct	ccgcctcctg	tggtcaagtg	133260
atttctctgc	ctcagctccc	cgagttagct	ggattacatt	tcaggcacct	gccagcatgc	133320
cgggctgatt	tttgtatttt	tactagtgc	agggtttcac	catgttagcc	aggctgggtc	133380
caaactcctg	acctcaggtg	atctgcctgc	ctaggcttcc	caaagtgtcg	ggattacagg	133440
cgtgagccat	tgggcccagc	ctagattttc	ttttttcttt	ttttttttga	gaaggagtct	133500
tgctctttgt	gcccaggctg	gagtgcattg	gcacaatctt	ggctcactgc	aacctctgcc	133560
tcctgggttc	aagcgatttt	cctgcctcag	cctcccactg	agctgggatt	acaggtgcct	133620
accaccacac	ccagctaact	tttgtatttt	ttttagagac	agggtttcac	catgttggcc	133680
aggctgggtc	caactcctga	cctcaggtga	tccacctgcc	ttggcctccc	gaagtgcctg	133740
gattaccggc	atgagctacc	aggcccagcc	aattttctca	ttatattgcc	caggctgggtc	133800
tcaaactcct	gggttcaagt	gatcctcctg	ccttggcctc	ccaaagtgtg	gggagtacag	133860
gcgtgagcca	aattgtctcag	cccctttggc	ctttttttaa	ttagattgcc	tttttatatt	133920
gagtttcagg	agtcctttat	atattctaga	taaatgtccc	ttatcaaatt	atattatttc	133980
caggatattt	cttcattctg	tgagtgtgct	ttcctctacc	ttttaaaaaa	gggtgggttt	134040
tgtttggttg	tttggttggt	tttttaagat	aagggtctcat	tctgctgccc	aggctggagt	134100
gcagtggcac	aatcacagct	cactgccacc	tcaacttctc	gggcccgaagt	gatcctctta	134160
cttcagcctc	ctgaatagct	agggccatag	atacacacta	tcacacccag	cttttttttt	134220
ctgtttgtag	agacagatct	tactgtgttg	cccaagttgg	tctcaaactc	taggctcaaa	134280
gtgattctcc	cacctctgcc	tcccagagtg	ctgggattac	aggtgtgagc	cacacgcaac	134340
ctgtcttttc	actattaata	gtgtcttctc	gcttcagcct	cccagtagc	tgggattaca	134400
ggcaccacac	accatgcctg	gctaattttt	ttgcattttt	agtagagaca	gtgttttcacc	134460
atgttcaccc	ggctgggtct	gaactcctga	cctcaggtga	ttcacctgcc	atggcctccc	134520
aaagtgtctg	gattacaggc	gtgagccact	gcaccgggcc	aaaatattgc	cttcttaaca	134580
gtattgtctt	ctaattttgtg	aacatggatg	tatcttcctg	tatttatgtg	ttctttcatt	134640
tcagcagaat	tttgtagttt	tcagagtaga	agcctttcac	ctccttgggt	cattttattcc	134700
tatgttttaa	attcattttcg	attccatttt	aaatagaatt	gttttcttaa	tttcattttc	134760
agattgtttg	atgagagagc	atagaaatac	aagtgatttt	tacatgttga	tcttgcaact	134820
tcaactttga	taaatctgat	tgtagctctc	aatagttttc	ttgtggattc	tttaggattt	134880
tcaatatata	agatcatgtc	atttatggat	agagatagtt	ttttttctgg	ctagaactta	134940
cagagcaatg	atgagttaga	gtggcagaag	caaaaactct	tgtcttgttt	cctatctgac	135000
agggaaagct	ttcagtttca	ttccctatca	tgatgttagg	tgtgggtttt	caataaatgc	135060
cttttttcag	attcaggaat	ttccctatca	ttcctgattt	tttaaggctt	tttttttttt	135120
ttaaatcatg	aaaggggtgt	gaatattgtc	atgttctttc	tgtatcagta	taaatgatcc	135180
tatggatttt	gggtttttatt	ctgttgatgt	gaaatattaa	ttgattttca	gatgttaaac	135240
caaccttgca	tacctgagat	gaatctcact	tggtcatggg	gtataatctt	ttcaatatgc	135300

tgctggattc	catttactgg	tattttgttg	aagattttgt	atctgaacgc	ttaagataac	135360
atttacactc	tatcagaaat	gaattgacca	taaatgtgag	agtgtatttg	tgggttcttg	135420
attctcttcc	attccaaaga	tagacataca	tccgtctgta	tgtctgtctt	tatgccagta	135480
ccatactctc	ttgattacta	ttgctttgtg	ataagttttg	aaatcagaaa	gtataaatga	135540
gattttggta	tctgagtaac	agtcctcata	gaattagttg	ggaaatatte	cctcttttatt	135600
ctgggtccctc	tttctttttt	gtttaactgt	gtatcttgga	gattgttctt	tctcaacaca	135660
tgagagccgc	tttccctacc	ctcccacccc	tgctatagag	aggtctataa	gtgtctgttc	135720
aattatttta	tttacttaac	ctattactta	gtcggggaca	ttaagcttgt	ttatgtcttt	135780
tatttttaac	aatgctgcag	tgaataatct	tgtatataag	tcattttcca	tcaatataag	135840
tctctctgta	actgaatfff	tagaagtgga	atftctaggt	caacctatgg	ctctgtattt	135900
cacaaaaata	ccaattctgg	ttttcttgt	ggaggtgggg	agtagggagt	agaatgctgg	135960
aggagaactt	gctgtactga	gctggctagt	cattttagaa	aggtttccct	agcttctttt	136020
tgtcatatgg	cctcaccaag	aatcaaaaac	attcctatft	accctgtaaa	catggggctt	136080
tactacccaa	gatacatatt	tctggatgta	tgacagcttt	tcatattgaa	gaaataatgc	136140
tgtgagtaca	gcacattttg	tggaacttag	gtcgttaaga	atgtcttata	aattcataca	136200
ttatacattt	tatttttatt	tattttttag	tttttgatac	agagtcttcc	tctgtcgccc	136260
aggccagcgt	gcagtgggtac	aatcttggct	cactgcgacc	tccatctcct	gggctcaagt	136320
gattctcatg	tctcagcctc	cagagtagct	atgggttacag	gcatgcacca	ccatgcccg	136380
ctaatttttt	tatttttagt	agaaactggg	tttcaccata	ttgaccatgc	tggcctcgaa	136440
ctcttggcct	caagtgcact	gcctgcctca	gcctcccaaa	gtgctgggat	ccttgcattg	136500
ggtaaaagac	gaatattgag	ggctgcactg	ttgctcatac	ctgtaatccc	agcattttct	136560
gagactgagg	tgggaggagt	cctggagccc	aggaggggtg	ggctgcagtg	agttgtgatc	136620
gcgccattgc	acttcaacct	aggaattata	ggcttcagtc	actgtgcccg	gcatgtacat	136680
tttaatatgg	tgctttcctc	ttttagctat	agtatgaggt	tacatttcag	agtcattggt	136740
gttaagcatc	ttaaatgtga	tgaggttgag	tgaagcttac	ttctattttca	aacactgaag	136800
aaaattttgt	acaaatctgt	cacattccaa	gcccaggact	gattgtttca	tatacttcta	136860
atftttacaat	ttctattgta	gtccagtgtg	aaaaaagcca	gtattaaaat	actgaaaaat	136920
tttgatgaag	cgataattgt	ggatgcggca	agtcctggatc	cagaatcttt	atatcaacgg	136980
acatatgccg	ggtaagctta	gctcatgcct	agaattttta	caagtgtaaa	taactttgca	137040
tcttttaaat	tttttaatta	aattttacat	ttttttctaa	tctattatta	tatgcccaga	137100
actttcactt	agagtgtgca	gtataatgtg	gtgggttaagt	ataaaggctc	tggagtgact	137160
tcctgggttt	taatcttggc	tctgccattt	attggcagcc	gctaacctct	tgggtatctca	137220
gtttcttcat	ctgtaaaatg	agaataataa	agtgaanaaa	tgccaacatc	atttactctg	137280
ggctgcataa	ctgatacttg	gaaaaagtat	tcctttgagt	ttaagaatta	agttggttat	137340
tcatttttagc	ttgtataaaa	aagatagtga	ttcataggat	atgccactta	ctgaaattta	137400
ccacagatcc	aatcataaaa	tcactttctc	ttccctaaag	atagcttgat	taacatgtaa	137460
agggtgtgtaa	aggcttgatt	acactaccct	gatccgtacc	ccagttccca	gcagcaccat	137520
gaaaaaggga	tttcaacata	tttaattact	ttcagtagaa	agtaacagtg	gtaggccagg	137580
cgcagtggct	cacacctgta	atcccagcac	tttgggaggg	cgaggtgggc	ggatcacagg	137640
gtcaggagat	tgagaccatc	ctggctaaca	cgatgaaacc	ccgtctctac	taaaaataca	137700
aaaaatttagc	cgggcatggt	ggcaggcacc	tgtagtccca	gctacttggg	aggctgagac	137760
aggagaatgg	cgtagagccc	ggagggcgag	cttgtagtga	gcttagattg	tgccactgca	137820
ctccagcctg	cgcagtggag	cgagactctt	gtctcaaaaa	aaaagaaagt	aacagtggta	137880
ttgggagatg	gaggagccta	gaaagtactt	gaaggaagta	aaaggtttgt	ttgaccacat	137940
tgtattttgga	aagccagctt	tttcagctgt	gtcagctttg	tgtagtgatt	tttagttctt	138000
cttttagaaa	ataacggaca	aggccgggca	cggtggctca	cgcttgtaat	cccaccactt	138060
tgggaggccg	agacggggcg	attacctgat	ctcaggagtt	cgagaccagc	ctgggcaaca	138120
tgggtgaaacc	ccgtctctac	taaaatacaa	aaagttagcc	gggcgtgggtg	gcgtgtgcct	138180
gtagtcccag	ctactccgga	ggctgaggca	ggagaattgc	ttgaaccggg	gaggcgagg	138240
ttgcagtgag	ccaagatcac	accattgcac	tgcagcctgc	gcgacagagt	aagactctgt	138300
ctcaaaaaat	aataataaaa	taaaaaagaa	tggacagtaa	acctaaatga	gttcattccc	138360
aaagatgatg	ttattcttaa	gggatgggtc	atftattttaa	gaccttacat	aaagtctatc	138420
aattgcgtga	tttttcactt	ctgtaattgt	gtgtatgtat	aatgtaaaata	tatatgtttt	138480
tgtttttgtt	tgggtttttg	agacggagtc	tcgctctggt	gctcaggctg	gaatgcagtg	138540
gtgcaatctc	agctctctgc	aacctctgtc	tcccagggtt	aagcgtttct	tctgcctcat	138600
cctcccaagt	agctgggact	acaggcacgt	gccaccacgc	ccggctaatt	ttttgtattt	138660
ttagtagaga	tgggggtttca	ccgtgttagc	caggatggtc	tcaatctcct	gacctcgtga	138720
tccaccgcgc	tgggtctccc	aaagtgttgc	tattacaggc	atgagccacc	acaccacgca	138780
tgtatttttt	aaatgtataa	aatgaagcag	aaaagagaaa	tgataatttt	tcttcatctt	138840
gaaagattat	cttcaccagg	cgcagtggct	cacacttgta	atcccagcac	tttgggaggc	138900
ctcggcaggc	ggctcacttg	agttcgaaac	cagcctggcc	gacatgggtga	aactccgtct	138960
ctactaaaaa	taaataaata	aagatgggtt	taatatatgt	tttagtttta	tgatttttagc	139020
atctttctga	aatftttctc	aaggcaagta	aatttgcata	agttgggtata	ttggtaccga	139080
tctatgaaat	aacttattag	gaagatatct	ctaaaataag	atcactttgc	ctaaaaataaa	139140
ctgatataat	gatgttcaca	gaatttttct	tttaaccgac	ttgataaatg	cattattctt	139200
gacgtcaagt	gatccacctt	cctcagcctc	ccaaagtgtc	gggattacac	acatgagcca	139260
ccgcacctgg	cattattctt	ataaaagggt	aaatttctag	ttaagtttaa	tgtcctcttt	139320

gttcatgtac	cattgcttat	tttcttccct	tcctactcac	agtaatcatt	cttatgggtat	139380
gcacttttgt	ttgcttattt	ttatgtaatt	gatattacgc	tccattctgt	acgttgtact	139440
ttcattccaca	gtgagttttg	gacattcccta	tggttcatcta	tacagactta	cttcattttta	139500
actacactgt	agtattccgt	atgtaatat	tactataact	catcactgta	gcagagcatc	139560
tcatagtgta	tgtattactg	ttttgccatt	ttgggtatcaa	tgagtatttta	agtcattttgc	139620
agtttttccc	tcttataccc	agtattacag	aggatctctt	tttatatgct	tctttgtacc	139680
aagaggcgaga	ttaaaaaatt	tttttttgaa	aaaatttttg	aaaaaaaatg	aatgaagtc	139740
tcactatgtt	gcccaggctg	gtctcaaact	cctaggctca	agcaatcctt	ccatcttggc	139800
ctcccaaagt	gctgggggtta	caggcatgag	ccaccatgcc	tggcctacat	tttaaatttt	139860
gatatgctct	acaatttact	ttgtaaagta	tctgcatcat	tttatgttct	caccagtctt	139920
taataagaat	acttcatact	tttggctgga	cacagtggct	cacgcctgta	atcccagcac	139980
tttggggaggc	cgaggcgggc	agatcaagag	atcgagacca	ccctggccaa	tatgggtgaaa	140040
ccctgtctct	actaaaaata	caaaaattag	ctgggcgtgg	tggcgacccc	gtagtcccag	140100
ctactcgaga	ggctgagaca	ggagaatcac	ttgaaccggg	gaggtggagg	ttgcagttaa	140160
cttagatcac	accactgcac	tccagcctag	caacagagtg	agactctgtc	tcaaaaaaaa	140220
aaaagaatac	ttcagactta	atttttttct	cagctcttaag	tgtttgctaa	tgagattgag	140280
tttcttttgg	tatgtctctt	gattgttcag	gttttttctt	ttatgaattg	actgttcctc	140340
tctttttcac	attatttctg	ttgggtgatt	ttattagtga	cttggttaaaa	ttctgtatat	140400
tttttcagca	tgacacttca	ttattcaaaa	aaaaaaaaag	attctctatg	tttctcgata	140460
ctaatacattg	gttggtaata	ccttaaaaaat	aagaccctta	ctgtattttt	tgcttttttt	140520
tttttttttt	tttttttttt	tttgagatag	agtcttgctc	tggtgcccag	gctggagtgc	140580
aatggatatga	tctcggtctt	cagctcactg	caactgcaac	ctctacctcc	ctgtttcaag	140640
caatttctct	gccttagcct	cccaagtagc	tgggattaca	ggcatccacc	accacacca	140700
gctaattttt	gtatttttag	tagagacagg	gtttcaccat	gttggccagg	ctggtctcaa	140760
actactggcc	tcaagtgatc	cgctgctctc	ggcatcccaa	agtactggga	ttacaggcat	140820
gagccacagt	gcctagccac	tttttgcttt	tttaactttg	tttatagtac	tatagtttta	140880
gtataaacag	atgtatgtat	acacacaact	atggctttat	aatatgtttc	agtcattgtt	140940
agagcaaggc	ctaccttttg	ggtgcttctt	ttacaaaatt	gtcttggtta	ttcttgtgcc	141000
ttttttctta	tttgtgaatt	ttagaattgt	gaattacctg	ttgactcacc	atgttttgta	141060
aactgaggat	tttgaatgga	attgcaactca	attaaagatt	atcttgcttt	ctgtgcagca	141120
atgttttatt	tcaataaatc	cctactttta	attacttagg	atagctataa	atttgtgttc	141180
tggttttcta	gatttagatg	aaacgcttta	aattgattgt	tttctcctaa	atttaaaact	141240
gattgttaga	agttaaaagt	ttctgttcat	tcttatttag	gaagatgaca	tttggaagag	141300
tcagtactgt	ggggcaattc	atccgagaat	ctgagcctga	acctgatgta	aggaaatcaa	141360
aaggtttgtg	gtgtttttat	acttcattat	aagcctttca	tcacattagt	gattgactgt	141420
aagtcaaaga	ccacttaagg	tttaaactgt	ttattttgta	aagtaaccac	tgtatctttc	141480
accttgtgtt	tatagtcaga	agt aagtaca	agggcttcct	gtagtcacat	ctttatgcaa	141540
tctcctctga	atcaaaaagt	agtgaacttg	ctttgccact	ccagaaggca	catgaatatg	141600
aaaaagcatt	gtctattttc	ttatttaatg	gcaaaaatac	cgacctaaat	tggacttaat	141660
gtttgagacc	gtttattttta	ttaaattata	ttttttctct	tttctttttt	ttttttgaga	141720
cagttcttgc	tctgtcacc	agaccggagt	gcagtggctc	gaccgcacct	cactgcaacc	141780
tctgcttctt	aggttcaagc	gattttcctg	cctcatcctc	ctgagtagct	gggactacaa	141840
gtggcgacca	ccacacctgg	ctaatttttg	tatttttagc	agagatgagg	tttcaccacc	141900
ttggctaggc	tggtctcata	ctcctgacct	caagcaatcc	atccgccttg	gcttcccaaa	141960
gtgctgggat	tacaagtgtg	agccaccatg	cctggcctta	ttaaattatt	tttattaaat	142020
ttcctcaaga	ttgatgaaag	taatgaaata	taaaagtaat	gaaatatatg	tggaaaatag	142080
actggattaa	gaaaatgtgg	cacatataca	ccatggatac	tatgcagcca	taaaaaagga	142140
tgagttcatg	tccctttagt	ggacatggat	gaagctggaa	accatcattc	tgagcaaaat	142200
gtctcaagga	tagaaaacca	aacaccgcat	gctctcactc	ataggtggga	attgaacaat	142260
gagaacactt	ggacacaggg	tggggaacat	cacacgctgg	ggcctgtcgt	gggggtgggg	142320
gctgggggag	gaatagcatt	aggagatata	cctaataata	atgacgagtt	aatgggtgca	142380
gcacaccaac	atggtacatg	tatacatatg	taacaaagct	gcacgttgtg	cacatgtacc	142440
ctagaactta	aagtataata	aatttaaaaa	aaataaatat	atgtggaaaa	tattaatagg	142500
tcaaaattca	aattgttcat	ttaatcagaa	gagtagttta	gtcaaatcca	aggggttagac	142560
aacagaaatc	ttttttgtca	agtgcatctt	ttgtgactga	tttcattttc	ttcctgggtt	142620
acacaggaag	atttcagaaa	caaatgtgga	tccgtgacag	atgggtatcta	gaagttttta	142680
gtttgggtga	attgacagta	ttttatttag	taaaagatac	taatttttgt	aagaagaaaa	142740
attcaatttt	gataagtagt	tttaagatta	agagctattg	gccaggcgct	gtggctcatg	142800
cctgtaatcc	tagcactttg	ggaagctgga	gcaggtgggt	cacgaggtca	agagattgag	142860
accatcctgg	ccaacatggt	gaaaccctgt	ctctactaaa	ttagccaggc	gtgggtggcac	142920
atgcctgtgc	accgcctctc	gggttttaagc	gatcctactg	cctcaggctc	ctgagtagct	142980
gggattacag	gcgccatggc	taattttttg	atttttagta	gagacagggt	ttcactacat	143040
tggccaggct	ggctcgtctc	caaaactcctg	acctcagggt	atctgcccgc	cttagcctcc	143100
caaagtgtcg	ggattacagg	catgattcac	catgtctggc	catttatctt	attttctttt	143160
tttttttttt	ttttgtttga	gacggagtct	tgctgtgtcg	cccagagctg	gagtgcaatg	143220
gtgcgatctc	agctcactgc	aacctctgcc	tcctgggttc	aagcaattct	cctgcctcag	143280
tcttccaagt	agctgggatt	acaggcgctg	gccaccacat	ctagctaatt	tttgtatttt	143340

tagtagagac	agggtttcac	catggtggcc	aggctgggtct	cggaactcct	gacctcgtaa	143400
tctgcccacc	tcggcctccc	aaagtgcgtga	gattacaagt	gtgagccact	gtgcccagcc	143460
atcttatttt	ctttcttttt	ttttgtcggg	tgggaggggg	acagagtcta	gctctgtcgc	143520
caggcttggc	tcactgcaac	ctctgcccc	caggttctag	caattattct	gcctcagcct	143580
cccaagtagc	tgggattata	ggcacctgcc	accacgcctg	gctaattttt	tgttattttt	143640
agtagagatg	gggttttgct	atgttgacca	tgtggcctc	aagtgatccg	cccacccttg	143700
cctcccaaag	tactgggctt	acaggcggtga	gcttgatttg	ggtaaaagaa	caatattggg	143760
ggctgcatgg	tggttcatat	ctgtaatctg	agcactttgt	gagactgaga	tggaaggagt	143820
ggtggagccc	aggaggggtga	ggctgcggtc	gcagtgaatt	gtgatcacgc	cattgcactt	143880
ccacctaggt	aatggagcaa	gacctgtct	ctaaaaaaca	aaacacaatt	tttttaagga	143940
atactgggaa	gagggtcagt	gtggtttttag	aacagaggaa	gtgccagatg	acctttgtga	144000
ggcattggcc	aggaagaact	ctacagtgct	tttaggtagc	ttctgtccat	aaggataatg	144060
gggtctcctc	cccagtatta	atagaaaatc	tctgagctgt	ttttttttgt	ttgtttgttt	144120
tgtttttttt	tcttgagatg	gagtctctct	ctgtcggcca	ggctggagtg	ctgtggcgcg	144180
atcttggtct	actgcaagct	ctgcctccca	ggttcacacc	attctcctgc	ctcagcctcc	144240
caagttagctg	ggactacagg	tgtccaccac	cacgcccagc	taattttttg	ttattttttag	144300
tagagatggg	gtttcaccat	gtcagccagg	atggtctcga	tctcctgacc	tcgtgatccg	144360
ctcgctctctg	ccttgcaaaag	tgctggagtt	acaggcgtga	gccaccgtgc	ctggcctggt	144420
ttttttgttg	ttgttattta	tttattttat	tatttttttt	ttgagacaga	ctctcgctct	144480
gtcgcccggg	ctggagtgta	gtggcacgat	gtcggctcac	tgcaagctct	gcctgcctcg	144540
ttcaagccat	tctcctgcct	cagcctcctg	agtagcaggg	accacaggcg	ctcgccacca	144600
cgcccggcta	attttttgta	tttttagaag	agacgggggt	tcaccgcatt	agccaggatg	144660
gtctcgatct	cctgatgtcg	tgatccgccc	acctcgccct	cccaaagtgc	tgggattaca	144720
gggtgtgagcc	accgtgcctg	gcctgatttt	tttttttttt	taactctggc	tcatacctct	144780
gacagctcat	gaagaagtgc	tctgtcttca	tatgtatatg	tgtagcata	gtgttaacat	144840
agcatagggtg	ttcgggtgtt	gcagtttctg	tttgttttat	atgaattaag	gtgtattatg	144900
agcagttgaa	gatatatagg	aaattttttc	ccaaaccact	atctctgctc	gttctattca	144960
ttcagttctgt	ttatgttatt	ccttcattca	ttcattttat	agaacagtgg	agtgcctact	145020
gtatgcattct	attgttctgg	gtcctgggga	agaaaacaaa	gttctctgct	tcattggaact	145080
tacatttatat	tggcggagac	agtaacagac	aaacaaatgt	agcctgtgta	catgtgttac	145140
atgaaaagca	gggtaggggg	ctgggagaga	gtagtaggga	gtgctatttt	cgaggtgggt	145200
gtcaggaaag	gcctcactga	ggaggtggca	ttttgagtag	acctgagcgc	agcggggggc	145260
taagcccagg	cagcatgtgg	aggaagagt	ttcttggtga	aaggaacaag	gatagaggcc	145320
cgaagctaga	gagctcagca	tgatcaagga	acagcaagcc	ccgtgtggct	ggaattggagt	145380
gagcaaagga	atgagcagta	gaaggtgagt	gagttgggag	gtcaccagag	acctatggcaa	145440
ggacttgaaa	gtgtcaggga	cacattggaa	gttgaggcag	ggaaatgatg	ggattttatgt	145500
tttggtttttg	ttttatgttt	agtgttttta	agggattgct	ctatcagcta	tttggaaaat	145560
ttagtgtagg	gcttcaagaa	gagaagcaga	gaaacaacat	tcttgccata	gtcatagtct	145620
aagttaagga	tgatgggtgg	gtggattagg	ctggtagtgg	aagaccagtc	cagttcgggt	145680
tgtatttgaa	ggtagaggca	aaaagattat	atttctacca	gcaagcccat	ctatgaagtt	145740
acttgtatta	ttaatttaat	tgagacatgc	ccacataaac	taataaatag	gaatttctgc	145800
agtttggtta	aacacccctg	tatatcctgg	ttcttctttt	agttgtccag	atgtctcttt	145860
aagtcaagta	ttttttgggt	gtgtaggagc	ctagagattg	aatttattca	ccaaaaggc	145920
atttgagtga	ttactatgtg	ccaggcacta	tgtcgatgta	caaggatgta	aataagaggg	145980
cgtagtctca	gtctgtttta	ctccagcttg	gttctttttt	aatgaccctg	acttggttaag	146040
catatcagtt	atcctacaga	atgtttaatc	ttctgtactt	tcttggttgt	gttattttagc	146100
ttattttctct	ttccttgaca	tttcttgtaa	actggaagtt	acacctatag	tcttgatgat	146160
tcgtgtttaca	catttttagat	tagaacacat	catgtgttgt	atatggtgtt	tttgaaagcc	146220
tctctgtata	ttgggtctgta	cattaaaatg	ttgctgtaat	ggatacacat	aaaatttaac	146280
agtgattaca	ttagagatga	gaagaaagag	gtgcctttta	cttttcaata	taccttttcc	146340
tctgcttttt	gaactttctt	gccctatgca	tacgttattg	cttaatcatc	cacctcatct	146400
cttccccctgt	ggcttttctgt	tgcatttgga	atgaaatcta	gcctctttgc	tgttacctgt	146460
ggatgtccct	tgtggccctc	tatcacctta	ctttgaacca	ctcctttcat	ggactgagct	146520
ctcattggac	tatcttttat	tcttttgctg	aagtttcttc	actttgagtg	cctctgcagt	146580
tgctatttca	tggctgtggc	aagccctgcc	atggctttca	tgcaaggatg	gttctctcct	146640
ctcatctcaa	tattatctct	tcagagaggg	accttcccaa	ctccgatgat	ctaaaatcct	146700
ttgtatatat	cactcactac	cacttctttc	ttttcttttc	cttttatctt	tttttttttt	146760
tttttttttt	gagatagggg	cttgctctgt	tgcccaggct	ggaatcacga	ctcactgcag	146820
cctcatcttc	ttgggtctca	atgatcctct	cacctcagcc	tctcgagtag	ctggaactgc	146880
aggcacacac	caccatactt	ggcttattat	tttacttttt	gtagagacag	ggtttcacca	146940
aggctgggtct	caagctcctg	ccgcaagcaa	tccacatctc	tcagcctccc	aaagtatttg	147000
gattatagga	gtgagccact	actcctgggc	tattttctta	ttcactgtct	aaaattatct	147060
tgttcatttta	ttacataact	gttttatagc	ttatttctca	gctggacatg	gtgcctcaca	147120
cctgtaatct	caatactttg	ggaggctggg	ttggagaatt	ggttgagccc	aggacttcaa	147180
gaccagcctg	ggcaacaaag	tgagaccctg	tctataaaaa	attgtttaaa	aattagctgg	147240
gcatgggtggc	acatgcctgt	ggtcccagct	acttgggagg	cagagggtggg	agaatcgctt	147300
gggcccagga	ggttgaggcg	acggtgagcc	atgattgtgc	cactgcactc	tagcctagtg	147360

acagagtgag	accatgtgtc	taaaaagtaa	ataaaaaatag	tttctctttc	atgactagaa	147420
tattacctct	atgtggggcag	ggagtttgtc	tatactattt	ggcactatat	ttcctgattc	147480
tgaaattatg	cctagcacat	ggtaagtact	ccttaaatat	ttattgactg	aattatttaa	147540
tacttaagaa	tttcattttg	gattatctga	gtggtaagat	tacggattat	atttatgtaa	147600
gaaaaaatca	ttttttaaac	ttggttgccc	tttgccacac	tgacatagac	actaagtttt	147660
cttagccaga	ttacttccga	ggatactcac	agaggccatt	ctcttctcaa	tccccaata	147720
attgatattt	cttagcactt	tcaagctaata	gcaattctta	gatgatgtat	ctgtgtatat	147780
catatcctca	ttctacaaat	gtagaaattg	aagtctgggc	acagtggctc	tcacctgtaa	147840
tctcagcagt	ttggggaggcc	aaggcgagcg	gatcactgag	gacaagagtt	aagaccagcc	147900
tggccaacat	ggtaaagcct	tgctctatt	aaaaatacaa	caattagggc	cgggcgtggt	147960
ggctcacgcc	tataatccca	gcacgttggg	aggccaaggc	aggcagatca	cgaggtcagg	148020
agttcgagac	catcctggct	aacacagtga	aaccccatct	ctactaaaaa	tacaaaaaat	148080
tagccaggca	tggtggcacg	cgcttgtagt	cccagctatc	gggaggctga	ggcaggtgaa	148140
tcccttgaa	ccggggaggcg	gaggttgcaa	tgagctgaga	ttgcaccgct	gaactccagc	148200
ctggtcaaca	gagggagact	ctgtctcaaa	aaaaaaaaaa	aaaaacaatt	agccaggcgt	148260
ggtggcgggg	acgagtagcct	gtaatcccag	ctactagggg	ggctgagggg	ggagaatcac	148320
ttaaaccag	gaggtggagt	ttgcagcggg	ctgataatgc	accactacat	tccagcctgg	148380
gcaacagagt	gagactctgt	cttaaaaaaa	aaaaaaagaa	agaaagaaat	tgaggaatgt	148440
ggagatttg	gtctgtgatt	tgtaggaat	cacacagcag	gttagtagca	actacagggc	148500
tttggttcag	aataccacct	tgacaatggg	ttgtttacag	ttcggtccc	cttccctctgc	148560
ctttctctcc	ttccttattg	agggcagctg	gaaagaattt	tcatcattta	ctagcctata	148620
gctttaattt	gagttttgaa	accttgataa	tagagcacag	aggaaaagac	tgagttttct	148680
ttttttgaga	cagtcttgct	ctatggccca	ggctggagtg	cagtgcacc	atctcagctg	148740
gttgcaacct	ctgcctccca	ggttcaagca	attctgcctc	agcctctcga	gtagctgaga	148800
ttacaggcac	gtgtcaccac	gccagcttaa	ttttctggtt	ttgtttcggt	ttgttttttt	148860
ctgagatgga	gtcttgctct	gtcaccaggg	ctggagtgc	gtggtgcgat	gttggctcac	148920
tcaaacctct	gtctcctggg	ttcaagcaat	tcttctgcct	cagcctcccc	agtagctggg	148980
actacaggta	cgtgccacca	tccctagtct	atttttgtat	gttttagtaga	gatgggggtt	149040
cactatgttg	accaggctgg	tctcgaactc	ctgatctcag	gtgatctact	cgtctcagtt	149100
tcccaaagtg	ctgggattat	tggcacacgc	ctatttttgt	attttttagta	gagacggggg	149160
ttcaccatgt	tggttagact	ggtctcaaac	ttctgacctc	aagtgatttg	cccgccccag	149220
cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	ccagccaaga	ttgagttttg	149280
aaaagagcct	tctgagatta	tgagaagggc	aagcaagata	acttaagaag	ttacattaaa	149340
atcatctaa	agacagtgtg	acaagaagga	attgtaaaat	gatgttatga	gcactgtccc	149400
aatgtagtgg	caatcccttg	tgcttcgata	cattgggtgg	agacaaaact	gtacttaaat	149460
tgataaatcc	cttacatgtc	attttaagga	gcttagactg	actcccatca	tgtagacatc	149520
agagattttct	tttttttttt	tttttttttt	tttttttttt	tttgtgacag	agttttgctc	149580
ttgttgccga	ggctggagtg	caatggcgtg	atctcggctc	accacaacct	ccacctccca	149640
ggttcaagca	attctcctgc	ctcagctccc	cgagtactcg	ggattacagc	catgcaccac	149700
cacgcctggc	taattttgta	tttttagtag	agacggggtt	tctccatggt	gtggctgggtc	149760
tcgaactcct	gacctcaggt	gatcctcccg	cctcagccac	ccaaagtctc	gaaattacag	149820
gcgtgagcca	ccgcgcccag	cccagagatt	tctaacaga	gttctaacca	gatgcttttc	149880
cctgtcagta	gaattgagaat	gaattggagg	tggaagagac	tggaatgagg	gacaccagtc	149940
agccagtgga	aatagctggg	aatgttgata	ggagaagaaa	aagattcaaa	gttaggtagt	150000
ggtagcaaga	attagagggg	aggtcggatt	tatgatattg	ccaaggttga	attctaaggt	150060
gaaatttggt	ggcagatttc	atgtgtaaat	tggaaggtga	gattgagttt	ttttaacatg	150120
ggttttctaa	catgtcaata	gagtgactct	gcaggggggc	ctgacgagag	aacagtgcac	150180
ggggtgattc	aacagccagt	tgagccttca	tgacagcatc	ttaacactgt	gactctgtag	150240
actctgggtg	gcagtaaaat	ttcattaaac	caatatttaa	acccttaggt	aataataaaa	150300
attgagggaa	aaggatccag	gttttgtatt	ttttatgaat	tcagttattg	aattaaacag	150360
gaccttgctc	caagaaataa	tctaccaaca	attaacttgt	tttaaagcaa	agttaggaag	150420
tgagcatggt	caaattatta	aataaaaaag	taagctgtgt	atttcattca	tagaaataga	150480
ggctggccta	cttcggatga	ttctcagcat	gtgattcacg	atgtgggctt	atacatccta	150540
gggagttaag	gcgtactctg	gcttggatag	agtagagctc	tttgaaactc	ttctctcacc	150600
cagctagttt	atatagacta	gagaactaga	atgtagcagc	atactctgtc	ttagaagccc	150660
ttttatatag	gagctgggtc	ggaaggtttg	aaaacataac	aaatgtgttg	gtgtctccca	150720
atgtatttgc	agattctttac	ccaagagcat	tatcctgggt	aggggtttggt	ttgggtttgt	150780
ttgttttttt	aatgtttgcc	acaaactaac	actagatggt	agttcttttca	tcaagtgagg	150840
agagtagaag	aaaagtccag	aactctgaaa	caccttttca	aaagtttttc	aagccatgat	150900
gtttgcaagt	taaagtctct	gttatgtga	caatataatc	agttttttatt	aatgtaacat	150960
tccttagtgt	tttgggggtat	cacacaaaaa	agaatatcca	tatctggaag	caacagcttt	151020
taaataagag	cattgtgggtg	gtgggtggga	tagtgggttt	tttttttttt	tttgagttgg	151080
agtctcgctc	gttgcccag	gttgagctgc	agtgggcacga	tctcagctcg	cttcaacctc	151140
tgctcccagg	ttcaagcaat	tcttctgcct	cagcctcctg	agtagctggg	attataggca	151200
cctgctacca	tgcttggtcg	atttttatta	tttttagtaga	gacaggtttc	accatgttgg	151260
ccaggctggg	cttgaactct	taacctcagg	tgaatcacc	acctcggcct	cccaaagtgc	151320
tgggaattaca	ggcatgaacc	accatggcca	gccaaataag	agcattttta	atgtaaaatt	151380

atgcatgaaa	tgtacattca	attttgtcct	tgtttactag	gatccatggt	ctcacaagct	151440
atgaagaaat	gggtgcaagg	aaatactgat	gaggtaaatac	ctaccttttag	gataaaaaaga	151500
tttctgttta	taagtgccac	cctcatgtaa	gtgaggttta	aaattttcct	tttcttttagg	151560
tcccatgttt	aagcagcatg	gcacatttat	gttctcttac	ccagaatgta	ccaagaaagg	151620
gtgggtccct	cttaacatct	aacaattgcc	tggtagtagc	agtgaaggta	tcttcagtca	151680
gaggctagga	ccactgaagg	atatacatgc	attcaagttt	ccatcagcca	gcaggcatca	151740
gtaatcagtg	tgtagatcaa	aagctcaaat	gtttccttcc	ccactggcag	ttttacttca	151800
agtagtggag	gcttgctttt	ttaatagtta	attaagtaca	ttgagagatg	ggaggtgaaa	151860
aaaggaaaaat	gtttttatttt	gaccatctaa	tatgaaagta	gttcgggtgt	aggatatccag	151920
tagttgacac	tggaagacag	ggaatgacat	gttaatatcc	atagccagag	ggtggcccag	151980
gttttttcgt	acatgggaat	gaaattctta	tccaaataag	tagaaattat	gtgcgtaagc	152040
catttgttaa	gagcactgag	tatgtgcatc	tcgatccatc	taatgaataa	ccattatcac	152100
cagtttaaat	tattttcttt	aggcccagga	agagctagct	tgggaagattg	ctaaaatgat	152160
agtcagtgac	attatgcagc	aggctcagta	tgatcaaccg	ttagagaaat	ctacaaaggt	152220
aaggatgact	tcgtttttgtg	taaactaaaa	agtattattt	tccaggtgta	aaaataaaaa	152280
agaacataag	gggtttcttt	gcctttgaag	gattaaactgc	tgtgggggatt	accttcttat	152340
cataagcaac	tagaaaattg	acaaactaaa	tgaacaact	gtttgcatat	attggacaat	152400
gggcaataca	gggaaaccat	ggaaacccaa	cagagcccag	tagtcttgct	gaacgaaaga	152460
gttaaatatc	aaagttcagg	ccaggtgcag	tggctcacgc	ctgtaatccc	agcactttgg	152520
gaggccaagg	cgggtgaatc	acttgaggtc	aggagtcca	gaccagcctg	gccaacatgg	152580
tgaaacctg	tcttagccgg	gtgtggtggc	aggcacctgt	aatcccaact	atttgggagg	152640
ctgaggcagg	agaatcgctt	gaaccaggga	ggcggaggtt	gcagtgagcc	gagatcacac	152700
cactgcactc	cagcctgggc	gacgagcgaa	accccatttc	aaaaaaaaaa	tcaaagttca	152760
gagagctcaa	tttgagtaga	agttgtagga	taaggtagca	gaaaagagga	agctgcccag	152820
aaagaaagcc	aaattaccta	ttagagatat	tcccatggat	ccttggccta	ggagtgatct	152880
gtatatgtgt	ggggtgaaaa	cgcatgtgtc	caggtagaga	accccccaga	aattagtagg	152940
ctgaatgatt	gctggaacat	agggctaaga	aaagttcatg	gccagaagga	tctggccaga	153000
gtagagagac	ttagtaatac	acaaggcatt	gggtagtgtc	ttcacagagg	ttatgcctta	153060
ctactgaaga	taaattagtc	ctagagtaca	agcacctgaa	ccaagtttca	aagcaaattt	153120
ttaaagggtc	aaattaccta	acaactgcac	gccaaaacaa	aggcctaacc	ctctttacag	153180
taacacaaca	aaattcagca	cttcacagtg	taaagttaga	atgtctgacg	tccaggctgg	153240
gcgcagtggc	tcatgcctgt	aatcccagca	ctttgggagg	ccgaggcagg	tagatgacct	153300
gaggtcagga	gttcaagacc	agcctggcta	acatgggtgc	accccgctct	tattaaaaat	153360
acaaaaactt	agccaggcat	ggtggccggc	acctgtgac	ccggctactt	gggagctgga	153420
ggcaggagaa	ttgcctgaac	ccaggaggtg	aaggttgcag	tgagccgaga	tcgcaccact	153480
gcactctggt	ctgggcaaaa	agagcaaaac	tcagggtcaa	aaaaaaaaaa	gaatgtctga	153540
cgtcaatcac	aaattacca	gcatgacatg	aagttgacct	ataaccagga	gaaaactcaa	153600
tctatgaaa	cagacccaga	tgtgagaaag	atgatgaatt	tagcagacaa	agaccatcaa	153660
gtggctattt	taaattgtta	aaatgtgttc	aaatggccag	gtgcagtggc	tcatgcctgt	153720
aatcccagca	ctttgggagg	ccaaggtggg	taggagttca	agaccagctt	ggccaatatg	153780
gtgaaacccc	ttctctacta	aaaatacaaa	aaaattagct	gggcatggtg	gcaggtgcct	153840
atagtcccag	ctatatggga	ggctgaggca	caagaatcac	ttgaacccgg	gaggtggagg	153900
ttgagtttgc	agtaagccga	gattgtgcca	cttgtactcc	agcctggaca	acagagttag	153960
actcgtctc	aaaaaaaaaa	aaaaaaaagt	taaagaaaac	aagagtataa	tgagaaaaat	154020
gcaaaatagt	tttaaaagaa	ccaaatggaa	tttcttaaaa	taaaaaatac	cagaaatggg	154080
ggccggggcgt	ggtagctcac	gtctataatc	ccagcacttt	gtgggggctg	aggcaggcag	154140
atcacctgag	atcggtagtt	caaggccagc	ctgaccaaca	tggagaaacc	tcatctctac	154200
taaaaataca	aaattagctg	ggcgtggtgg	cgcattgcct	gtaatcccag	ctacttggga	154260
ggctgaggca	ggagaattgc	ttgaacccgg	gaggcagagg	ttgcggtgag	ctgagattgc	154320
accagtgac	tccagcttgg	gccacaagag	tgaactccg	tctcaaaaaa	aaaacaaaaa	154380
aaaacagtag	actcgaagaa	ctagctgagt	ttttctttac	tttaggcagt	aagtgtgacc	154440
ttttgcagg	gactacttta	gttcctcatg	tcctcattag	tagatcagag	aaattcgaca	154500
ccaaaacccc	aaaagaaaaa	ccccttctaa	tcctcattcc	atgattttat	gaatgcatga	154560
agtcctagga	ctgcgaagga	atactcattc	tctttatcct	gtgttgatac	ctctctgctt	154620
caacctccaa	ctcgacattt	gcctatagga	tgtacttgga	cattcagcat	aaactacctc	154680
acaccattac	tgaattgctt	catgtgcaca	tgtcccagtc	cacaataccg	gggaccttgt	154740
cttcctgtat	atttgtccgc	agtgtgtgta	ctacaggagg	gagtcagtga	atgtctgcat	154800
gtgtgtcttt	accatccctc	ttgaatatgc	tctagggtta	attcctagaa	gtagaattac	154860
tctattgaaa	attggcaata	tttttcatct	taatattctat	tgccaacatg	ggaaagcaag	154920
tctggatgcc	agtccttggt	atatgcccct	tgggtaagtt	acgtaacctc	tttaagcttc	154980
tgttctactca	tattttaaca	aggaaaatta	caatatttta	cctcacaana	ttgtagtccag	155040
cttctggctg	tctttaactc	tggatatata	taaacactta	gtgttggtgt	ccatccttaa	155100
tttgtaataa	taggtcactt	gttagagaaa	tgcaccttac	cattttcttt	tcttttcttt	155160
tttcagttat	gactcaaaac	ttgagataaa	ggaaatctgc	ttgtgaaaaa	taagagaact	155220
tttttccctt	gggtgggattc	ttcaacacag	ccaatgaaaa	cagcactata	tttctgatct	155280
gtcactgttg	tttccaggag	agaatgggag	acaatcctag	acttccacca	taatgcagtt	155340
acctgtaggg	ataattgatg	cacatgatgt	tcacacagtg	agagtcttaa	agatacaaaa	155400

tgggtattggt	tacattacta	gaaaattatt	agtttttccaa	tggcaataac	ccatttatga	155460
gagtggtttta	gcctactgga	atagacaggg	accacatcct	ctgggaagca	gataagcata	155520
gaactgatac	ttgatgcaca	ctcgtagtgg	taactcatcc	ctaatacagca	ttgtaaagca	155580
ggtgccagag	gtggtttgct	ttgtccttcc	aaagcaggtg	agtcagcccc	accgagagcc	155640
aggcagcttt	gagtggcagc	gtggtgctag	cagcttcagc	ggaacagggg	gagagttaat	155700
tatgcagctct	tcttgacagc	ggcattaatt	tggaaaggaaa	ctgacaagtc	atgggtcaag	155760
tttcagtgac	ttcctccttc	ctctgatggc	agtatatagt	tttcacattt	taattcctcc	155820
tcttgagatg	cactatactt	aaaaccattc	tctcccttgc	taacagaagg	gtgtgaatct	155880
ggtttactttt	gagcattagg	atttgcccct	ttggaattct	gcactccagt	tacttaactt	155940
tcccttcaga	atacatgtgg	aaagaaagaa	agaaatagcg	atgactccac	ttttgcccct	156000
gtggcacctt	gaacaaagca	gttcttccca	aattatactt	tttttttttt	taaataagggt	156060
gagcaggatg	actggggaga	gagaaacatt	tgactttgac	tgccctcccc	attcttttgc	156120
gtgagctgga	aagtgtgcag	ttggtcgtct	ttctttctct	ttcttttagga	tagtaagaga	156180
ctcactcact	gcactttctgc	tcagttggct	tctgcatcgg	gatcacacag	ccatcagcag	156240
gactgccccg	ttggtgagca	cactccattg	accacgcggc	gccagcgctt	cctcaatgca	156300
catgattgag	aggaaagaaa	gttctcttag	atgtttactgc	ttttgctcag	actttgcaaa	156360
aaaaaaaaata	tatatatata	tgtataaata	tataattatt	aatcactttt	gtccttgaga	156420
aagtcttgaa	tgaacagaga	atttattcca	ttgcaatatt	tgattgtata	gaggcacact	156480
gtttcatcga	cagaagaagc	aaaaaggctt	tgtgtaagtt	tttggtaacta	tgtaccacct	156540
ctgttattct	tttaaagctg	aagtattcat	gtacttaaac	catattatat	ttaattgtgt	156600
ttgatttttaa	aataatata	tatgaattct	atttaaaatt	gtgtcaactt	tctgctttca	156660
gggcattttat	ggctcttctg	ttgaaatata	ttgatctttc	caaataatttt	catttgcttt	156720
ctaaaaaccc	agaacatgag	ccactactgg	actttgcctt	gtgtttgaag	tgtatggcat	156780
aaacccaagg	tttttattag	tcatctatgc	tgtgattaat	tcattttgtt	cttttaacaa	156840
aatattttcca	tccacttcac	attgctttcaa	tctttaacag	aaaagcaata	taaagttagt	156900
agaataaaaat	gtggttttgg	gcaactcttg	ctgcctctgc	atgttttgga	ataacaattt	156960
ctacaagact	ctaggctggt	taaactagt	ctttcagtta	agataaattc	taatcatttc	157020
tttgatatata	cattttgtgc	ttctgagcta	gagatgccaa	gtagttgtaa	actgcttata	157080
aagagaatag	cagcaaattt	gagactcggc	tacttttttc	tgccccacct	gctttgagac	157140
acagaagcgg	agtgtggccc	gaaattatta	gccagattta	atatttgatc	taaagttagt	157200
ccttgctactc	attttaaagt	tggaaattga	ttcctccaac	attgagcacc	caccatgttc	157260
caggctctgt	gcattgtgcc	cacaaaataa	gattccctgg	tggagttttt	atgggttcaa	157320
ataatcagtt	gaacaccctt	catctttatc	atgttggtga	cattgacaca	aattgtttta	157380
aaagaaaaga	tattagagag	aaagtggatc	ctttgtaact	tgatgtgtct	tcacattctg	157440
gtaagatttg	atgaaagtaa	aaagcaaatg	tcagccaaat	ccagtgaaca	ccaataaaac	157500
agggagtaac	tttttataac	tttttctact	tggattttcaa	cattcagtag	agcttttcga	157560
aatgtaagta	gtttacagta	ctggagggtt	gactagttca	gtaggaattt	ggaggggaag	157620
gtcattctga	attgtaacaa	agtacaaact	tctttgctgt	tttatttaag	tactgagagc	157680
taagcacttg	atgaagtgc	tgacctctct	ccagtgcacg	tgtttgggta	cctgctgac	157740
ttcaggagt	gggtttatgt	ttctacacag	tgaccttttc	tctgcacctc	tcctccctct	157800
tgcccacaca	ccagttgatt	ggacctgggt	tgaactcctg	atccagacag	gcccagaca	157860
gttcttaatg	ttaagaattt	tggggccggg	cacggtggct	catgctgtga	attgcaacac	157920
tttggggagg	cgagacaggc	ggatcacttg	aggtcagggg	ttcgaggcca	gcctggccaa	157980
catggtgaaa	ccctgtcttt	actaaaaata	caaaaattag	ctgggcatgg	tggcgcacgc	158040
ctgtaatccc	agctactgtg	gtggctgaga	caggggaatc	gcttgaacct	ggaggcggag	158100
gttgtgcaat	gagccgagac	cgtgtcactg	cattccagcc	tgggtgacag	agggagactc	158160
tgtctccaaa	aataaaaaata	agaaaaagaa	ttttgggcta	ggtgcagtg	ctcacgcctg	158220
taattacagc	attttggaag	gcccagatg	ggcagatcac	ttgaggacag	gagttcgaga	158280
ccagcctgga	caacatggtg	aaactccatc	tctactaaaa	agacaaaagt	tagccagatg	158340
tggtgatggg	cacctataat	cctagctcct	cgggaggctg	gggcaggaga	atcacttgaa	158400
cccaggaagc	agagattgca	gtgagccaag	atcacatctc	tgactccag	cctgggcaac	158460
agagcaagac	tctgtctcaa	aaaaaaaaaga	atttggccag	gcgcagtggt	tcacgcctgt	158520
aatcccagca	ctttgggagg	ccaaggcagg	cagatcacga	ggtcaggaga	tcgagattgt	158580
cctggctaac	atggtgaaac	cctgtctcta	ctaaaaatac	aaaacattag	ccgggtgtgg	158640
tggtgggcac	ctgtagtccc	agctactagg	gaggctgagg	cagaggaagg	atgtgaaccc	158700
aggaggcgga	gcttgacagta	agccaagatc	gtgccactgc	actacagtct	gggagcagaga	158760
gtgagactcc	gtctcaaaaa	aaaaaagaat	tttggccggg	tgcggtggca	catgcctgta	158820
gtcccagctc	tttggagac	caaagtgggc	ggattacctg	aggtcaggag	ttcaagacca	158880
gtccggccaa	tatggcgaaa	ccctgtctct	tactaaaaaa	aatacaaaaa	ttagccagggt	158940
gtggtggcgg	gcacctgggg	aggctgaggc	aggagaaaat	gcttgaaccg	gggaggcaga	159000
gggtgcagta	agccaagatc	gtgccactgc	actccagagc	aagactcttt	ctcaaaaaaa	159060
aaaaaaaaaag	aattttgcatt	ggggaaggag	agataactgt	caccatctgg	aatggtgctt	159120
ggatgtggca	ctttacaatat	caggagccag	cactgcattg	acaaacagaa	gcattgtggg	159180
ctgagatagc	aggtaccttg	ataaccctga	agacatcctt	ggtttctgca	tctattcctg	159240
catccttgca	ttggactaca	ttaatctgtc	agttatcctt	ataatgattt	ttgatttttt	159300
ttttttgaga	tggagtttcg	ctcttggtgc	ccaggctgga	gtgcaatggc	acgatctcgg	159360
ctcaccacaa	cctccacctc	ccaggttcaa	gtgattctgc	tgccctcagcc	tcctgagtaa	159420

ctgggattac	aggcatgcgc	caccacacct	ggctaatttt	gtatttttag	tagagacggg	159480
gtttctccat	gttgggtcagg	ctgggtctcga	actcccaacc	tcagggtgatc	accctgtctc	159540
ggcctcccaa	agtgtctggga	ttacaggcgt	aagccatggg	acccgggtctg	ttttttgatt	159600
ttttgaaacc	agtctgaagt	gagttttttt	aattacgtga	aaggagtttg	gctaaaatac	159660
tgccatactg	ccctaattgcc	taatgattat	gtattctcag	catgtctgca	aagtactgct	159720
gatttctgga	gaataatttt	tcttttagtaa	acttcactta	agtcgtcatg	tgtattctct	159780
caaaatggta	tcctaacccta	atggagctaa	aagacacccc	ttgtttttat	aacaagcagt	159840
tactgaggcc	caggaagggg	agaagtcctt	ggcttgtgag	atgatcacca	ttagaactca	159900
ggcctggggc	agtgcctttt	catgcttctc	agatccttcc	aaagaataat	gaagattata	159960
accgctttta	gcaattgtaa	taaaccacga	aatagaaagc	tttttggtta	gagtactggg	160020
agaagtttgg	cgggagagat	aattttttaca	aaatttgtaa	atacctgcca	attctatata	160080
ctaggcaagg	tctctggcct	tgtaaaaccc	ctcaagggtta	caactttggg	ggcccacact	160140
aatagttacc	cactgaggcc	ctctccgggt	gaacattgag	cactagagga	agcccctctg	160200
cttgggagag	actgggcgtg	gtgcagagta	ggagcgggtga	tactgtggat	tctgggcagg	160260
tggagatggc	cagtgtatgtc	caataaagga	cactggagggg	agcagtgtga	gtaaaggccc	160320
tgagggcatt	catgttcagg	gaggggttgc	gcccactggc	ttgcttggga	cacaggagag	160380
tgggtattcc	tgcttagta	actttatgta	aacaagtatt	tcctcagtct	gttcctctca	160440
aactgcctgc	tctggcacat	tcagaatgtc	acagaactca	cctggatgca	ttcagcccct	160500
tgccataaagg	tgacagtgca	tctccttccc	caccccaccc	ctcataccac	tgaagcacct	160560
gtcagactgg	cccagctgtg	gggcaaggag	cctagagagg	gcttagtttc	agcttgaaag	160620
gagctgggat	ttaccaagaa	gcaaatgaga	gcagaggatt	gcaacaactg	tgccatttcc	160680
ccagcttcag	ctgactcctg	tatatgtact	gtgccttcag	actcatccgt	aagtgacccc	160740
aggctggcct	ctcccacatc	acagtaagaa	ttccacacac	catacaactt	ggaaagaggc	160800
tccagctgaa	ggaagcccca	cacttcttcc	aagtttttct	tagtcttctc	ttcttggcaa	160860
agagtacctt	ttgtttcttc	taattatgta	actattgggt	tagtaaatat	tcacccattc	160920
agtcacccctg	taagtggcag	gcactgttta	cagggacaca	ggaaggaata	aaaacttgca	160980
ggcaccttgg	agcttgcatt	ctattgaaga	ggtaatggaa	gttgggatag	cagctaaact	161040
atgctgggat	tggccaggcg	cagtggctca	cacctgtaat	cccagcactt	tggaggccaa	161100
ggtgggcaga	tcatgaagtc	aggagatcga	gaccatcctg	gctaacatgg	tgaaccccgc	161160
tctctactaa	aagtaaaaaa	aaaaattagc	caggtgtggg	ggcgggcgcc	tgtagtccca	161220
gctacttggg	aggctgaggc	aggagaatgg	tgtgaacca	ggaggcgaag	attgcagtga	161280
gccgagatgg	caccactgca	ctccagcctg	ggtgacagag	cgagactctg	tctcagaaaa	161340
aaaaaatatg	ctggtagttt	tgattcaaga	tggccttttg	agcccatgat	ttaggtctcg	161400
taccacccaa	ggtctactgg	aaaacatcag	gctctcctgc	tatagacca	tagggagagc	161460
tcagcccgag	aggggggagct	gaagagaagt	gccccttctg	tgctctgtca	gcctcatcct	161520
tccgcaagga	ccagttgctg	tgccactcca	ttcacttgct	gcaagactgg	aggtttttcc	161580
tcagggtgtg	agcacctggg	ttacaagatg	tcagcatctt	gatgcctgag	accatcaagg	161640
caagtctctg	aacagggtct	accttagagt	aaggcttaga	agaggccgta	aagtcagtct	161700
cagctccctg	gctctgcaga	gctttgggac	atgtgaattc	ttaaaaacaa	gactattgta	161760
cagttactat	atgcatgcag	tataaaatta	taaccttgga	aaatcctagc	tagctgttga	161820
gctaattcca	taaagtaatc	agctcctgag	ttctgcagtg	gtaataataa	tcagcataat	161880
gagtaaacac	tgtgtgtgcc	aggcagcgtc	tcatttgatc	cttgtgataa	tcttgtgaagt	161940
actgattttc	tcccttcttt	aaacaaagtt	tttttttttt	tttttagagag	ggtctcacta	162000
tgttgccccag	gctagtcttg	aattc				162025

<210> 37
 <211> 1350
 <212> DNA
 <213> Homo Sapien

<220>
 <221> CDS
 <222> (213) ... (920)

<300>
 <308> GenBank AJ242973
 <309> 1999-10-26

<400> 37						
gcgggcgcgt	cgacgtgaca	gccgggtacgc	ccgggttttg	gcaacctcga	ttacgggcgg	60
cctccaggcc	cgccagcagc	gccccgcgcc	gccccccgc	gcccctgccg	ccccccggtt	120
ccggccgcgg	acccactctt	ctgccgttcc	ggctgcggt	ccgctgccgg	tagcgcgcgt	180
ccccgggacc	acccttcggc	tggcgccctc	cc atg ctc	tcg gcc acc	cgg agg	233
			Met Leu	Ser Ala Thr	Arg Arg	
			1		5	

gct tgc cag ctc ctc ctc ctc cac agc ctc ttt ccc gtc ccg agg atg 281

Ala	Cys	Gln	Leu	Leu	Leu	Leu	His	Ser	Leu	Phe	Pro	Val	Pro	Arg	Met	
		10					15					20				
ggc	aac	tcg	gcc	tcg	aac	atc	gtc	agc	ccc	cag	gag	gcc	ttg	ccg	ggc	329
Gly	Asn	Ser	Ala	Ser	Asn	Ile	Val	Ser	Pro	Gln	Glu	Ala	Leu	Pro	Gly	
	25					30				35						
cgg	aag	gaa	cag	acc	cct	gta	gcg	gcc	aaa	cat	cat	gtc	aat	ggc	aac	377
Arg	Lys	Glu	Gln	Thr	Pro	Val	Ala	Ala	Lys	His	His	Val	Asn	Gly	Asn	
	40				45					50					55	
aga	aca	gtc	gaa	cct	ttc	cca	gag	gga	aca	cag	atg	gct	gta	ttt	gga	425
Arg	Thr	Val	Glu	Pro	Phe	Pro	Glu	Gly	Thr	Gln	Met	Ala	Val	Phe	Gly	
				60					65					70		
atg	gga	tgt	ttc	tgg	gga	gct	gaa	agg	aaa	ttc	tgg	gtc	ttg	aaa	gga	473
Met	Gly	Cys	Phe	Trp	Gly	Ala	Glu	Arg	Lys	Phe	Trp	Val	Leu	Lys	Gly	
			75					80					85			
gtg	tat	tca	act	caa	gtt	ggc	ttt	gca	gga	ggc	tat	act	tca	aat	cct	521
Val	Tyr	Ser	Thr	Gln	Val	Gly	Phe	Ala	Gly	Gly	Tyr	Thr	Ser	Asn	Pro	
		90					95					100				
act	tat	aaa	gaa	gtc	tgc	tca	gaa	aaa	act	ggc	cat	gca	gaa	gtc	gtc	569
Thr	Tyr	Lys	Glu	Val	Cys	Ser	Glu	Lys	Thr	Gly	His	Ala	Glu	Val	Val	
	105					110					115					
cga	gtg	gtg	tac	cag	cca	gaa	cac	atg	agt	ttt	gag	gaa	ctg	ctc	aag	617
Arg	Val	Val	Tyr	Gln	Pro	Glu	His	Met	Ser	Phe	Glu	Glu	Leu	Leu	Lys	
	120				125					130					135	
gtc	ttc	tgg	gag	aat	cac	gac	ccg	acc	caa	ggc	atg	cgc	cag	ggg	aac	665
Val	Phe	Trp	Glu	Asn	His	Asp	Pro	Thr	Gln	Gly	Met	Arg	Gln	Gly	Asn	
				140					145					150		
gac	cat	ggc	act	cag	tac	cgc	tcg	gcc	atc	tac	ccg	acc	tct	gcc	aag	713
Asp	His	Gly	Thr	Gln	Tyr	Arg	Ser	Ala	Ile	Tyr	Pro	Thr	Ser	Ala	Lys	
			155					160					165			
caa	atg	gag	gca	gcc	ctg	agc	tcc	aaa	gag	aac	tac	caa	aag	gtt	ctt	761
Gln	Met	Glu	Ala	Ala	Leu	Ser	Ser	Lys	Glu	Asn	Tyr	Gln	Lys	Val	Leu	
		170					175					180				
tca	gag	cac	ggc	ttc	ggc	ccc	atc	act	acc	gac	atc	cgg	gag	gga	cag	809
Ser	Glu	His	Gly	Phe	Gly	Pro	Ile	Thr	Thr	Asp	Ile	Arg	Glu	Gly	Gln	
	185					190					195					
act	ttc	tac	tat	gcg	gaa	gac	tac	cac	cag	cag	tac	ctg	agc	aag	aac	857
Thr	Phe	Tyr	Tyr	Ala	Glu	Asp	Tyr	His	Gln	Gln	Tyr	Leu	Ser	Lys	Asn	
	200				205				210						215	
ccc	aat	ggc	tac	tgc	ggc	ctt	ggg	ggc	acc	ggc	gtg	tcc	tgc	cca	gtg	905
Pro	Asn	Gly	Tyr	Cys	Gly	Leu	Gly	Gly	Thr	Gly	Val	Ser	Cys	Pro	Val	
				220					225					230		
ggc	att	aaa	aaa	taa	ttg	ctcccca	cat	ggc	ggc	ctttg	agggtt	ccag	taaaaa			960
Gly	Ile	Lys	Lys	*												
		235														
tgctttcaac	aaattgggca	atgcttgtgt	gattcacaat	cgtggcattt	aaagtgcaca											1020
aagtacaaag	gaattttat	agattggggt	taccgaagta	taattctatag	gaggcgcat											1080
ggcaagttga	taaaatgtga	cttatctcct	aataagttat	ggtgggagtg	gagctgtgcg											1140
gtttcctgtg	tcttctgggg	tctgagtgaa	gatagcaggg	atgctgtgtt	cacccttctt											1200
ggtagaagct	aagggtgtgag	ctgggaggtt	gctggacagg	atgggggacc	ccagaagtcc											1260
tttatctgtg	ctctctgccc	gccagtgcct	tacaatttgc	aaacgtgtat	agcctcagtg											1320
actcattcgc	tgaaatcctt	cgctttacca														1350

<210> 38
 <211> 235
 <212> PRT
 <213> Homo Sapien

<400> 38
 Met Leu Ser Ala Thr Arg Arg Ala Cys Gln Leu Leu Leu Leu His Ser
 1 5 10 15
 Leu Phe Pro Val Pro Arg Met Gly Asn Ser Ala Ser Asn Ile Val Ser
 20 25 30
 Pro Gln Glu Ala Leu Pro Gly Arg Lys Glu Gln Thr Pro Val Ala Ala
 35 40 45
 Lys His His Val Asn Gly Asn Arg Thr Val Glu Pro Phe Pro Glu Gly
 50 55 60
 Thr Gln Met Ala Val Phe Gly Met Gly Cys Phe Trp Gly Ala Glu Arg
 65 70 75 80
 Lys Phe Trp Val Leu Lys Gly Val Tyr Ser Thr Gln Val Gly Phe Ala
 85 90 95
 Gly Gly Tyr Thr Ser Asn Pro Thr Tyr Lys Glu Val Cys Ser Glu Lys
 100 105 110
 Thr Gly His Ala Glu Val Val Arg Val Val Tyr Gln Pro Glu His Met
 115 120 125
 Ser Phe Glu Glu Leu Leu Lys Val Phe Trp Glu Asn His Asp Pro Thr
 130 135 140
 Gln Gly Met Arg Gln Gly Asn Asp His Gly Thr Gln Tyr Arg Ser Ala
 145 150 155 160
 Ile Tyr Pro Thr Ser Ala Lys Gln Met Glu Ala Ala Leu Ser Ser Lys
 165 170 175
 Glu Asn Tyr Gln Lys Val Leu Ser Glu His Gly Phe Gly Pro Ile Thr
 180 185 190
 Thr Asp Ile Arg Glu Gly Gln Thr Phe Tyr Tyr Ala Glu Asp Tyr His
 195 200 205
 Gln Gln Tyr Leu Ser Lys Asn Pro Asn Gly Tyr Cys Gly Leu Gly Gly
 210 215 220
 Thr Gly Val Ser Cys Pro Val Gly Ile Lys Lys
 225 230 235

<210> 39
 <211> 481
 <212> DNA
 <213> Homo Sapien

<300>
 <308> GenBank AW195104
 <309> 1999-11-29

<400> 39
 ggcattattg gactgtaggt ttttattaaa acaaacattt ctcatagctc taagcaaagc 60
 attagaattc atcaagcgga ctcacatctt ttctctgcac agagaggggc tgaaaaggga 120
 gagaaagtcc cttatgtatg tctagatttg gtaaagcgaa ggatttcagc gaatgagtca 180
 ctgaggctat acacgtttgc aaattgtaag gcaactggcg gcagagagca cagataaagg 240
 acttctgggg tcccccatcc tgtccagcaa cctcccagct cacaccttag cttctaccaa 300
 gaagggtgaa cacagcatcc ctgctatctt cactcagacc ccagaaaacc cagggaaacc 360
 cgacagctcc actcccacca taacttatta ggagataagt cacattttat caacttgcca 420
 tcgcgcctcc tatagattat acttcggtaa acccaatctg tataaattcc tttgtacttt 480
 g 481

<210> 40
 <211> 390
 <212> DNA
 <213> Homo Sapien

<300>
 <308> GenBank AW874187
 <309> 2000-05-22

<400> 40

ttttttttat	tggactgtag	gtttttatta	aaacaaacat	ttctcatagc	tctaagcaaa	60
gcattagaat	tcatcaagcg	gactcacatc	ttttctctgc	acagagaggg	ctgaaaaggg	120
agagaaagcc	ccttatgtat	gtctagattt	ggtaaagcga	aggatttcag	cgaatgagtc	180
actgaggcta	tacacgtttg	caaattgtaa	ggcactggcg	ggcagagagc	acagataaag	240
gacttttggg	gggtcccccat	tctgtgccag	caacctccca	gctcacacct	tagcttctac	300
caagaagggg	tgaacacagc	atccctgcta	tcttctactca	gacccccaga	agacacagga	360
aaccgcacag	ctccactccc	accataactt				390

<210> 41
 <211> 43
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 41		
agcggataac	aatttcacac	aggagctag cttggaagat tgc 43

<210> 42
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 42		
gtccaatata	tgcaaacagt	tg 22

<210> 43
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 43		
agcggataac	aatttcacac	agg 23

<210> 44
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 44		
actgagcctg	ctgcataa	18

<210> 45
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 45		
tctcaatcat	gtgcattgag	g 21

<210> 46
 <211> 43
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

 <400> 46
 agcggataac aatttcacac agggatcaca cagccatcag cag 43

 <210> 47
 <211> 23
 <212> DNA
 <213> oligonucleotide primer

 <400> 47
 agcggataac aatttcacac agg 23

 <210> 48
 <211> 18
 <212> DNA
 <213> Oligonucleotide primer

 <400> 48
 ctggcgccac gtggtcaa 18

 <210> 49
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 49
 tttctctgca cagagagggc 20

 <210> 50
 <211> 44
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 50
 agcggataac aatttcacac agggctgaaa tccttcgctt tacc 44

 <210> 51
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 51
 agcggataac aatttcacac agg 23

 <210> 52
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 52
 ctgaaaaggg agagaaag 18

 <210> 53

<211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 53
 tcccaaagtg ctggaattac 20

 <210> 54
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 54
 gtccaatata tgcaaacagt tg 22

 <210> 55
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide Primer

 <400> 55
 cccacagcag ttaatccttc 20

 <210> 56
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 56
 gcgctcctgt cggtgcca 18

 <210> 57
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 57
 gcctgactgg tggggccc 18

 <210> 58
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 58
 catgcatgca cggtc 15

 <210> 59
 <211> 30

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 59
 cagagagtac ccctcgaccg tgc atgcatg 30

 <210> 60
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 60
 catgcatgca cggtt 15

 <210> 61
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 61
 gtacgtacgt gccaaactccc catgagagac 30

 <210> 62
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 62
 catgcatgca cggt 14

 <210> 63
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 63
 gcctgactgg tggggccc 18

 <210> 64
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 64
 gtgctgcagg tgtaaacttg taccag 26

 <210> 65
 <211> 28
 <212> DNA

<213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 65
 cacggatccg gtagcagcgg tagagttg 28
 <210> 66
 <211> 19
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 66
 actgggcatg tggagacag 19
 <210> 67
 <211> 18
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 67
 gcactttcctt gccatgag 18
 <210> 68
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 68
 tcagtcacga cggt 14
 <210> 69
 <211> 14
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 69
 cggataacaa ttct 14
 <210> 70
 <211> 37
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 70
 caatttcacgc gctggatgca atctgggcta tgagatc 37
 <210> 71
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

 <400> 71
 caatttcaca cagcggatgc ttcttttggc tctgact 37

 <210> 72
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 72
 tcagtcacga cgttggatgc caataaaagt gactctcagc 40

 <210> 73
 <211> 37
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 73
 cggataacaa tttcggatgc actgggagca ttgaggc 37

 <210> 74
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 74
 tcagtcacga cgttggatga gcagatccct ggacaggc 38

 <210> 75
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 75
 cggataacaa tttcggatgg acaaaaatacc tgtattcc 38

 <210> 76
 <211> 36
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 76
 tcagtcacga cgttggatgc agagcagctc cgagtc 36

 <210> 77
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Oligonucleotide primer
 <400> 77
 cagcggatgat cattggatgc aggaagctct gg 32
 <210> 78
 <211> 38
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 78
 tcagtcacga cggtggatgc ccacatgcca cccactac 38
 <210> 79
 <211> 35
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 79
 cggataacaa tttcggatgc ccgtcaggta ccacg 35
 <210> 80
 <211> 37
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 80
 tcagtcacga cggtggatgc ccacagtgga gcttcag 37
 <210> 81
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 81
 gctcatacct tgcaggatga cg 22
 <210> 82
 <211> 36
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer
 <400> 82
 tcagtcacga cggtggatga ccagctgttc gtgttc 36
 <210> 83
 <211> 34
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Oligonucleotide primer

<400> 83
 tacatggagt tcgggggatgc acacggcgac tctc 34

 <210> 84
 <211> 40
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 84
 tcagtcacga cggtggatgg ggaagagcag agatatacgt 40

 <210> 85
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 85
 gaggggctga tccaggatgg gtgctccac 29

 <210> 86
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 86
 tgaagcactt gaaggatgag ggtgtctgcg 30

 <210> 87
 <211> 38
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 87
 cggataacaa ttctggatgc tgcgtgatga tgaaatcg 38

 <210> 88
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 88
 gatgaagctc ccaggatgcc agaggc 26

 <210> 89
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 89

gccgccggtg taggatgctg ctggtgc 27

<210> 90
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Template

<400> 90
 cgcagggttt cctcgtegca ctgggcatgt g 31

<210> 91
 <211> 43
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Biotinylatd primer

<400> 91
 tgcttatccc tgtagctacc ctgtcttggc cttgcagatc caa 43

<210> 92
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 92
 agcggataac aatttcacac aggccatcac accgcggtac tg 42

<210> 93
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 93
 cccagtcacg acgttgtaaa acgtcttggc cttgcagatc caag 44

<210> 94
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 94
 agcggataac aatttcacac aggccatcac accgcggtac tg 42

<210> 95
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 95
 ctccagctgg gcaggagtgc 20

<210> 96
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 96
 cacttcagtc gctccct 17

 <210> 97
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Biotinylated primer

 <400> 97
 cccagtcacg acgttgtaaa acg 23

 <210> 98
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 98
 cctttgagaa agggctctgc ttgagttgta gaaagaaccg ctgcaacaat ctgggctatg 60
 agatcaataa agtcagagcc aaaagaagca gcaaaatgta 100

 <210> 99
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 99
 cctttgagaa agggctctgc ttgagttgta gaaagaaccg ctgcaacaat ctgggctatg 60
 agatcagtaa agtcagagcc aaaagaagca gcaaaatgta 100

 <210> 100
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 100
 gaattatttt tgtgttttcta aaactatggt tcccaataaa agtgactctc agcgagcctc 60
 aatgctccca gtgctattca tgggcagctc tctgggctca 100

 <210> 101
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 101
 gaattatttt tgtgttttcta aaactatggt tcccaataaa agtgactctc agcaagcctc 60
 aatgctccca gtgctattca tgggcagctc tctgggctca 100

 <210> 102
 <211> 84
 <212> DNA
 <213> Homo sapien

 <400> 102
 taataggact acttctaatac tgtaagagca gatccctgga caggcgagga atacaggtat 60
 tttgtccttg aagtaacctt tcag 84

<210> 103
 <211> 84
 <212> DNA
 <213> Homo sapien

 <400> 103
 taataggact acttctaatac tgtaagagca gatccctgga caggcaagga atacaggtat 60
 tttgtccttg aagtaacctt tcag 84

 <210> 104
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 104
 ctcaccatgg gcatttgatt gcagagcagc tccgagtcgg tccagagctt cctgcagtca 60
 atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta 100

 <210> 105
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 105
 ctcaccatgg gcatttgatt gcagagcagc tccgagtcca tccagagctt cctgcagtca 60
 atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta 100

 <210> 106
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 106
 agcaaggact cctgcaaggg ggacagtggg ggccacatg ccaccacta ccagggcacg 60
 tggtagctga cgggcatcgt cagctggggc cagggctgcg 100

 <210> 107
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 107
 agcaaggact cctgcaaggg ggacagtggg ggccacatg ccaccacta ccggggcacg 60
 tggtagctga cgggcatcgt cagctggggc cagggctgcg 100

 <210> 108
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 108
 caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcgtggtgcc 60
 ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

 <210> 109
 <211> 100
 <212> DNA
 <213> Homo sapien

 <400> 109
 caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcttggtgcc 60
 ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

 <210> 110
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 110
 ttgaagcttt gggctacgtg gatgaccagc tgttcgtggt ctatgatcat gagagtcgcc 60
 gtgtggagcc ccgaactcca tgggtttcca gtagaatttc 100

<210> 111
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 111
 ttgaagcttt gggctacgtg gatgaccagc tgttcgtggt ctatgatgat gagagtcgcc 60
 gtgtggagcc ccgaactcca tgggtttcca gtagaatttc 100

<210> 112
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 112
 ggataacctt ggctgtaccc cctggggaag agcagagata tacgtgccag gtggagcacc 60
 caggcctgga tcagcccctc attgtgatct gggagccctc 100

<210> 113
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 113
 ggataacctt ggctgtaccc cctggggaag agcagagata tacgtaccag gtggagcacc 60
 caggcctgga tcagcccctc attgtgatct gggagccctc 100

<210> 114
 <211> 80
 <212> DNA
 <213> Homo sapien

<400> 114
 tgaagcactt gaaggagaag gtgtctgcgg gagccgattt catcatcacg cagcttttct 60
 ttgaggctga cacattcttc 80

<210> 115
 <211> 80
 <212> DNA
 <213> Homo sapien

<400> 115
 tgaagcactt gaaggagaag gtgtctgcgg gagtcgattt catcatcacg cagcttttct 60
 ttgaggctga cacattcttc 80

<210> 116
 <211> 80
 <212> DNA
 <213> Homo sapien

<400> 116
 tccagatgaa gctcccagaa tgccagaggc tgctccccgc gtggccccctg caccagcagc 60
 tcctacaccg gcggccccctg 80

<210> 117
 <211> 80
 <212> DNA
 <213> Homo sapien

<400> 117
 tccagatgaa gctcccagaa tgccagaggc tgctcccccc gtggccccctg caccagcagc 60
 tcctacaccg gcggccccctg 80

<210> 118
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Hair pin structure

<400> 118
cagagagtac ccctcaaccg tgcattcatg aaacatgcat gcacgggt

48